



The bidi *Package*

Documentation for *version 18.5*

to my Master, Ferdowsi The Great

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<https://github.com/persian-tex/bidi/issues>

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The *bid* Package

Bidirectional typesetting in plain T_EX and L^AT_EX, using XeT_EX engine

Documentation for [version 18.5](#)

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Contents

I	L^AT_EX Manual	4		
1	Basics	4		
1.1	Loading The Package	4	1.18	LTRitems and RTLitems Envi- ronments
1.2	bid's Symbol	5	1.19	LTRbibitems and RTLbib- items Environments
1.3	Commands for Version number, and Date of The Package	6	1.20	\setLTRbibitems, \setRTLbibitems, and \setdefaultbibitems commands
1.4	Turning TeX--XeT features on and off	6	1.21	Typesetting margin par
1.5	Options of The Package	6	1.22	Typesetting of Headers and Footers
1.6	Paragraph Switching Commands	7	1.23	Tabular Typesetting
1.7	Paragraph Switching Environ- ments	8	1.24	Equation Numbers
1.8	Typesetting Short LTR and RTL Texts	8	2	Support For Various Packages and Classes
1.9	Footnotes	9	2.1	Color
1.9.1	Footnote Rule	10	2.2	The dblfnote package
1.10	Two Column Typesetting	10	2.3	Hyperref
1.11	RTL cases	11	2.4	The listings package
1.12	Typesetting Logos	11	2.5	flowfram Package
1.13	Separation Mark	11	2.6	Multicolumn Typesetting
1.14	\raggedright, \raggedleft commands, flushleft and flushright Environments	12	3	Extra bid Packages and Classes
1.15	Primitive-like commands	12	3.1	bid-longtable package
1.16	Something To know about \hbox	12	3.2	biditufte bundle
1.17	\bidillap and \bidirlap Commands	13	3.3	Typesetting T _E X and L ^A T _E X Codes
			3.4	Typesetting Poems
			3.5	Typesetting Resumé

3.6	Print Two Pages On A Single Page	20	7.7	amsthm-xetex-bidi.def	35
3.7	Producing Presentations	21	7.8	array-xetex-bidi.def	35
4	Some Useful Internal Macros and Programming Tips	21	7.9	article-xetex-bidi.def	36
4.1	Equating Conditionals	21	7.10	artikel1-xetex-bidi.def	40
4.2	RTL Conditional	21	7.11	artikel2-xetex-bidi.def	45
4.3	Main RTL Conditional	21	7.12	artikel3-xetex-bidi.def	50
4.4	Latin Conditional	21	7.13	arydshln-xetex-bidi.def	55
4.5	Tags Internal Macro	22	7.14	bidi.sty	58
4.6	Definition File Loaded Internal Macro	22	7.15	bidi.tex	60
4.7	Tabular Conditional	22	7.16	bidi2in1.sty	61
4.8	Footnote Conditional	22	7.17	bidicode.sty	63
4.9	Direction Ensuring Macros	22	7.18	bidiftnextra.sty	65
4.10	Reset Direction Macro	23	7.19	bidi-longtable.sty	69
II	Plain T_EX Manual	23	7.20	bidimoderncv.cls	71
5	Basics	23	7.21	biditools.sty	76
5.1	Loading The Package	23	7.22	bidituftefloat.sty	99
5.2	Commands for Version number, and Date of The Package	23	7.23	bidituftesidenote.sty	110
5.3	Turning TeX--XeT features on and off	24	7.24	bidituftetoc.sty	121
5.4	Paragraph Switching Commands	24	7.25	bidituftegeneralstructure.sty	124
5.5	Paragraph Switching Environments	24	7.26	bidituftehyperref.sty	127
5.6	Typesetting Short LTR and RTL Texts	25	7.27	bidituftetitle.sty	127
5.7	Primitive-like commands	26	7.28	bidituft-handout.cls	130
5.8	Something To know about \hbox	26	7.29	bidituft-book.cls	131
5.9	Typesetting Logos	26	7.30	bidipoem.sty	132
6	Some Useful Internal Macros and Programming Tips	26	7.31	boek3-xetex-bidi.def	139
6.1	RTL Conditional	27	7.32	boek-xetex-bidi.def	143
6.2	Main RTL Conditional	27	7.33	bookest-xetex-bidi.def	146
6.3	Direction Ensuring Macros	27	7.34	book-xetex-bidi.def	147
6.4	Reset Direction Macro	27	7.35	breqn-xetex-bidi.def	152
7	bidi implementation	27	7.36	cals-xetex-bidi.def	153
7.1	amsart-xetex-bidi.def	27	7.37	caption-xetex-bidi.def	153
7.2	adjmulticol-xetex-bidi.def	30	7.38	caption3-xetex-bidi.def	153
7.3	algorithm2e-xetex-bidi.def	31	7.39	colortbl-xetex-bidi.def	154
7.4	amsbook-xetex-bidi.def	32	7.40	color-xetex-bidi.def	154
7.5	amsmath-xetex-bidi.def	34	7.41	combine-xetex-bidi.def	155
7.6	amstext-xetex-bidi.def	34	7.42	crop-xetex-bidi.def	156
			7.43	cutwin-xetex-bidi.def	158
			7.44	cuted-xetex-bidi.def	158
			7.45	cvthemebidicasual.sty	166
			7.46	cvthemebidiclassic.sty	168
			7.47	dblfnote-xetex-bidi.def	170
			7.48	draftwatermark-xetex-bidi.def	173
			7.49	eso-pic-xetex-bidi.def	174
			7.50	empheq-xetex-bidi.def	174
			7.51	extarticle-xetex-bidi.def	178
			7.52	extbook-xetex-bidi.def	181
			7.53	extletter-xetex-bidi.def	185
			7.54	extrafootnotefeatures-xetex-bidi.def	185
			7.55	extreport-xetex-bidi.def	222



7.56	fancybox-xetex-bidi.def	225
7.57	fancyhdr-xetex-bidi.def	226
7.58	fix2col-xetex-bidi.def	226
7.59	fleqn-xetex-bidi.def	228
7.60	float-xetex-bidi.def	228
7.61	floatrow-xetex-bidi.def	228
7.62	flowfram-xetex-bidi.def	229
7.63	footnote-xetex-bidi.def	231
7.64	framed-xetex-bidi.def	238
7.65	ftnright-xetex-bidi.def	242
7.66	graphicx-xetex-bidi.def	243
7.67	geometry-xetex-bidi.def	245
7.68	hvfloa-xetex-bidi.def	246
7.69	hyperref-xetex-bidi.def	252
7.70	leqno-xetex-bidi.def	261
7.71	letter-xetex-bidi.def	261
7.72	lettrine-xetex-bidi.def	262
7.73	listings-xetex-bidi.def	264
7.74	loadingorder-xetex-bidi.def	265
7.75	longtable-xetex-bidi.def	271
7.76	mdframed-xetex-bidi.def	272
7.77	memoir-xetex-bidi.def	274
7.78	midfloat-xetex-bidi.def	277
7.79	minitoc-xetex-bidi.def	281
7.80	multicol-xetex-bidi.def	282
7.81	multienum-xetex-bidi.def	285
7.82	natbib-xetex-bidi.def	286
7.83	newfloat-xetex-bidi.def	287
7.84	ntheorem-xetex-bidi.def	288
7.85	ntheorem-hyper-xetex-bidi.def	288
7.86	pdfpages-xetex-bidi.def	288
7.87	pgfcorescopes.code-xetex-bidi.def	289
7.88	pinyinpar-xetex-bidi.def	291
7.89	plain-xetex-bidi.def	293
7.90	pstricks-xetex-bidi.def	295
7.91	quotchap-xetex-bidi.def	296
7.92	ragged2e-xetex-bidi.def	296
7.93	rapport1-xetex-bidi.def	298
7.94	rapport3-xetex-bidi.def	303
7.95	refrep-xetex-bidi.def	309
7.96	report-xetex-bidi.def	313
7.97	rotating-xetex-bidi.def	317
7.98	scrartcl-xetex-bidi.def	319
7.99	scrbook-xetex-bidi.def	330
7.100	scrlettr-xetex-bidi.def	341
7.101	scrreprt-xetex-bidi.def	343
7.102	sidecap-xetex-bidi.def	354
7.103	soul-xetex-bidi.def	354
7.104	stabular-xetex-bidi.def	355
7.105	subfigure-xetex-bidi.def	356
7.106	tabls-xetex-bidi.def	356
7.107	tabularx-xetex-bidi.def	357
7.108	tabulary-xetex-bidi.def	358
7.109	tc-xetex-bidi.def	359
7.110	titlesec-xetex-bidi.def	359
7.111	titletoc-xetex-bidi.def	360
7.112	tocbibind-xetex-bidi.def	361
7.113	tocloft-xetex-bidi.def	363
7.114	tocstyle-xetex-bidi.def	369
7.115	todonotes-xetex-bidi.def	374
7.116	wrapfig-xetex-bidi.def	376
7.117	xcolor-xetex-bidi.def	378
7.118	latex-xetex-bidi.def	380
7.119	xltxtra-xetex-bidi.def	395
8	Index	395
9	Change History	529



Introduction

bidi provides a convenient interface for typesetting bidirectional texts in plain \TeX and \LaTeX , using the \XeTeX engine.

bidi Info On The Terminal and In The Log File

If you use bidi package to write any input \TeX document, and then run `xelatex` on your document, bidi writes some information about itself to the terminal and to the log file. The information is something like:

```
*****
*
* bidi package (Bidirectional typesetting in
* plain TeX and LaTeX, using XeTeX engine)
*
* Description: A convenient interface for
* typesetting bidirectional texts in plain TeX
* and LaTeX. The package includes adaptations
* for use with many other commonly-used packages.
*
* Copyright (c) 2009--2015 Vafa Khalighi
*
* 2015/11/14, v18.5
*
* License: LaTeX Project Public License, version
* 1.3c or higher (your choice)
*
* Location on CTAN: /macros/xetex/latex/bidi
*
* Issue tracker: https://github.com/persian-tex/bidi/issues
*
* Support: persian-tex@tug.org
*****
```

Part I

\LaTeX Manual

1 Basics

1.1 Loading The Package

You can load the package in the ordinary way;



```
\usepackage [Options] {bidi}
```

Where options of the package are explained later in [subsection 1.5](#).
When loading the package, it is important to know that:

- ❶ bidi should be the last package that you load, because otherwise you are certainly going to overwrite bidi's definitions and consequently, you will not get the expected output.
- ❷ In fact, bidi makes sure that some specific packages are loaded before bidi; these are those packages that bidi modifies them for bidirectional typesetting. If you load bidi before any of these packages, then you will get an error saying that you should load bidi as your last package.

For instance, consider the following minimal example:

```
1 \documentclass{minimal}
2 \usepackage{bidi}
3 \usepackage{graphicx}
4 \begin{document}
5 This is just a test.
6 \end{document}
```

Where graphicx is loaded after bidi. If you run xelatex on this document, you will get an error which looks like this:

```
! Package bidi Error: Oops! you have loaded package graphicx after
bidi package. Please load package graphicx before bidi package, and
then try to run xelatex on your document again.

See the bidi package documentation for explanation.
Type H <return> for immediate help.
...

1.4 \begin{document}

?
```

1.2 bidi's Symbol

As you may know lion symbolizes T_EX but lion does not symbolizes bidi. **Simorgh**¹ (shown on the first page of this documentation) symbolizes bidi.

¹**Simorgh** is an Iranian benevolent, mythical flying creature which has been shown on the titlepage of this documentation. For more details see <http://en.wikipedia.org/wiki/Simurgh>



1.3 Commands for Version number, and Date of The Package

`\bidiversion` `\bididate`

☞ `\bidiversion` gives the current version of the package.

☞ `\bididate` gives the current date of the package.

```
1 \documentclass{article}
2 \usepackage{bidi}
3 \begin{document}
4 This is typeset by \textsf{bidi} package, \bidiversion, \bididate.
5 \end{document}
```

1.4 Turning TeX--XeT features on and off

The bidirectional typesetting in XeTeX is based on TeX--XeT algorithm and bidi package automatically turns the feature on for typesetting bidirectional texts. As the internal data structures built by TeX--XeT differ from those built by TeX, the typesetting of a document by TeX--XeT may therefore differ from that performed by TeX. So you may notice that some packages behave differently when TeX--XeT feature is on and you may want to turn the feature off for a part of the text so that you get the default behaviour of original TeX. Two commands are provided for this purpose:

`\TeXXeTOn` `\TeXXeTOff`

☞ `\TeXXeTOn` turns TeX--XeT feature on, which is active by default when bidi package is loaded.

☞ `\TeXXeTOff` turns TeX--XeT feature off.

1.5 Options of The Package

There are three options, namely `RTLdocument` and `rldocument`, which are essentially equivalent. If you pass any of these options to the package, you will be typesetting a document containing mainly RTL texts with some LTR texts. These options activate `\setRTL` (explained in [subsection 5.4](#)), `\RTLdblcol` (explained in [subsection 1.10](#)) and `\autofootnoterule` (explained in [subsubsection 1.9.1](#)).

It is clear that if you do not pass any of these options to the package, you will be typesetting a document containing mainly LTR texts with some RTL texts.

There is also `extrafootnotefeatures` option that allows footnotes to be typeset in different formats:



```

\normalfootnotes
\twocolumnfootnotes \threecolumnfootnotes \fourcolumnfootnotes
\fivecolumnfootnotes \sixcolumnfootnotes \sevendcolumnfootnotes
\eightcolumnfootnotes \nincolumnfootnotes \tencolumnfootnotes
\RTLcolumnfootnotes \LTRcolumnfootnotes
\paragraphfootnotes
\setLTRparagraphfootnotes \setRTLparagraphfootnotes

```

☞ `\normalfootnotes` typesets footnotes in Standard \LaTeX format.

☞ `\twocolumnfootnotes` to `\tencolumnfootnotes`, typeset footnotes in two-columns to ten-columns, respectively.

☞ `\RTLcolumnfootnotes` typesets footnotes columns RTL (first column on the RHS and each next column to the left of the previous column) and `\LTRcolumnfootnotes` typesets footnotes columns LTR (first column on the LHS and each next column to the right of the previous column). `\LTRcolumnfootnotes` is active by default.

☞ `\paragraphfootnotes` typesets footnotes in paragraph format.

☞ `\setLTRparagraphfootnotes` makes footnotes run from left to right. This command is active by default.

☞ `\setRTLparagraphfootnotes` makes footnotes run from right to left.

Please note that when using `extrafootnotefeatures` option, the footnote rule will be as wide as the text width and `\autofootnoterule`, `\rightfootnoterule`, `\leftfootnoterule`, and `\textwidthfootnoterule` commands have no effects. Please also note that if you redefine `\baselinestretch` command or change the value of `\baselineskip` primitive before `\paragraphfootnotes` command, then you may get Arithmetic Overflow error. You should change these after using `\paragraphfootnotes` command.

1.6 Paragraph Switching Commands

```

\setLTR \setLR \unsetRL \unsetRTL
\setRTL \setRL \unsetLTR

```

☞ With any of the commands in the first row, you can typeset LTR paragraphs.

☞ With any of the commands in the second row, you can typeset RTL paragraphs.

```

1 \documentclass{article}
2 \usepackage{bidi}
3 \begin{document}
4 \setRTL%

```




```

5 Anyone who reads Old and Middle English literary texts will be
6 familiar with the mid-brown volumes of the EETS, with the symbol
7 of Alfred's jewel embossed on the front cover.
8
9 \setLTR% Notice the blank line before \setLTR
10 Anyone who reads Old and Middle English literary texts will be
11 familiar with the mid-brown volumes of the EETS, with the symbol
12 of Alfred's jewel embossed on the front cover.
13 \end{document}

```

1.7 Paragraph Switching Environments

```

\begin{LTR}  <text>  \end{LTR}
\begin{RTL}  <text>  \end{RTL}

```

☞ With LTR environment, you can typeset LTR paragraphs.

☞ With RTL environment, you can typeset RTL paragraphs.

```

1 \documentclass{article}
2 \usepackage{bidi}
3 \begin{document}
4 \begin{RTL}
5 Anyone who reads Old and Middle English literary texts will be familiar
6 with the mid-brown volumes of the EETS, with the symbol
7 of Alfred's jewel embossed on the front cover.
8 \begin{LTR}
9 Anyone who reads Old and Middle English literary texts will be familiar
10 with the mid-brown volumes of the EETS, with the symbol
11 of Alfred's jewel embossed on the front cover.
12 \end{LTR}
13 And we are still typesetting RTL.
14 \end{RTL}
15 \end{document}

```

1.8 Typesetting Short LTR and RTL Texts

```

\LRE{<text>}  \LR{<text>}
\RLE{<text>}  \RL{<text>}

```

☞ With any of the commands in the first row, you can typeset short LTR text inside RTL paragraphs.

☞ With any of the commands in the second row, you can typeset short RTL text inside LTR paragraphs.



```

1 \begin{document}
2 \begin{RTL}
3 Anyone who reads Old and Middle English \LRE{Short LTR text} literary
4 texts will be familiar
5 with the mid-brown volumes of the EETS, with the symbol
6 of Alfred's jewel embossed on the front cover.
7 \begin{LTR}
8 Anyone who reads Old and Middle English \RLE{Short RTL text} literary
9 texts will be familiar
10 with the mid-brown volumes of the EETS, with the symbol
11 of Alfred's jewel embossed on the front cover.
12 \end{LTR}
13 \end{RTL}
14 \end{document}

```

1.9 Footnotes

```

\footnote [num] {\text} \LTRfootnote [num] {\text} \RTLfootnote [num] {\text}
\setfootnoteRL \setfootnoteLR \unsetfootnoteRL
\thanks{\text} \LTRthanks{\text} \RTLthanks{\text}

```

- ☞ `\footnote` in RTL mode produces an RTL footnote while in LTR mode it produces an LTR footnote.
- ☞ `\LTRfootnote` will always produce an LTR footnote, independent on the current mode.
- ☞ `\RTLfootnote` will always produce an RTL footnote, independent on the current mode.
- ☞ Specifying a `\setfootnoteRL` command anywhere will make `\footnote` produce an RTL footnote.
- ☞ Specifying either a `\setfootnoteLR` or an `\unsetfootnoteRL` command anywhere will make `\footnote` produce an LTR footnote.
- ☞ `\thanks` (to be used only inside `\author` or `\title` argument) in RTL mode produces an RTL footnote while in LTR mode it produces an LTR footnote.
- ☞ `\LTRthanks` (to be used only inside `\author` or `\title` argument) will always produce an LTR footnote, independent on the current mode.
- ☞ `\RTLthanks` (to be used only inside `\author` or `\title` argument) will always produce an RTL footnote, independent on the current mode.



```
\footnotetext [num] {\text} \LTRfootnotetext [num] {\text}
\RTLfootnotetext [num] {\text}
```

- ☞ `\footnotetext` used in conjunction with `\footnotemark`, in RTL mode produces an RTL footnote while in LTR mode it produces an LTR footnote.
- ☞ `\LTRfootnotetext` used in conjunction with `\footnotemark`, will always produce an LTR footnote, independent on the current mode.
- ☞ `\RTLfootnotetext` used in conjunction with `\footnotemark`, will always produce an RTL footnote, independent on the current mode.

1.9.1 Footnote Rule

The behavior of footnote rules can also be controlled.

```
\autofootnoterule \rightfootnoterule \leftfootnoterule
\LRfootnoterule \textwidthfootnoterule \SplitFootnoteRule
\debugfootnotedirection
```

- ☞ `\autofootnoterule` will draw the footnote rule right or left aligned based on the direction of the first footnote following the rule (i.e., put in the current page).
- ☞ `\rightfootnoterule` will put footnote rule on the right-hand side.
- ☞ `\leftfootnoterule` or `\LRfootnoterule` will put footnote rule on the left-hand side.
- ☞ `\textwidthfootnoterule` will draw the footnote rule with a width equal to `\textwidth`.
- ☞ `\SplitFootnoteRule` puts a full-width rule above the split-off part of a split footnote.
- ☞ `\debugfootnotedirection` writes the direction of the first footnote on each page, in the log file.

1.10 Two Column Typesetting

```
\RTLdblcol \LTRdblcol
```

If you pass the `twocolumn` option to the class file and if the main direction of the document is RTL, then you get RTL two column and if the main direction of the document is LTR, then you get LTR two column. In addition, `\RTLdblcol` allows you to have RTL two column typesetting and `\LTRdblcol` allows you to have LTR two column typesetting as the options of the class file.



Also please note that in `twocolumn` documents, the width of the `\footnoterule` will be equal to `\columnwidth` no matter which footnote-rule commands you use; indeed, in `twocolumn` documents only `\textwidthfootnoterule` is active and other footnote-rule commands will not be effective.

1.11 RTL cases

`\RTLcases` command was previously known as `\rcases` command but since there was a clash with `mathtools` package (`mathtools` defines `rcases` environment), we had to rename `\rcases` command to `\RTLcases` command.

```
\RTLcases{\text{\langle brach1\rangle}\cr\text{\langle brach2\rangle}\cr\text{\langle brach3\rangle}...}
\text{\langle main\rangle}
```

`\RTLcases` is defined in `bidi` for typesetting RTL cases. `\text` is defined in `amsmath` package, so this means that you need to load `amsmath` package too.

```
1 \documentclass{article}
2 \usepackage{amsmath}
3 \usepackage{bidi}
4 \begin{document}
5 \setRTL
6 \[ \RTLcases{\text{men}\cr\text{women}}
7 \text{Humans Beings}
8 \]
9 \end{document}
```

1.12 Typesetting Logos

```
\XeTeX \XeLaTeX
```

`bidi` defines \XeTeX and \XeLaTeX logos and in addition, it makes sure that logos, \TeX , \LaTeX , $\text{\LaTeX}_{2\epsilon}$ are typeset LTR.

1.13 Separation Mark

```
\SepMark{\langle mark\rangle} \@SepMark
```

Generally in Standard \LaTeX , dot is used for separation between section numbers, equation numbers any anything else which needs to be separated. You can use `\SepMark` to use any other mark as the separation mark instead a dot.

```
1 \documentclass{article}
2 \usepackage{bidi}
3 \SepMark{-}
4 \begin{document}
5 \section{First}
6 \subsection{Second}
7 \subsubsection{Third}
8 \end{document}
```



If you decide to change the numbering of chapters, sections, subsections, equations, figures and ..., you should either load `amsmath` package and use `\numberwithin` macro to do this or do the ordinary way, but instead dot write `\@SepMark`. Using dot instead `\@SepMark` will certainly make trouble.

```

1 \documentclass{article}
2 \usepackage{bidi}
3 \SepMark{-}
4 \makeatletter
5 \renewcommand\theequation{\thesection\@SepMark\@arabic\c@equation}
6 \makeatother
7 \begin{document}
8 \section{First}
9 \begin{equation}
10 x^2+y^2=z^2
11 \end{equation}
12 \end{document}

```

1.14 `\raggedright`, `\raggedleft` commands, `flushleft` and `flushright` Environments

`\raggedright` command and `flushleft` environment put the text on the left hand side and `\raggedleft` command and `flushright` environment put the text on the right hand side, independent on the current mode.

1.15 Primitive-like commands

`\hboxR` `\hboxL` `\vboxR` `\vboxL`

- ☞ The syntax of `\hboxR` is exactly the same as the syntax of `\hbox`, but its contents is always typeset RTL.
- ☞ The syntax of `\hboxL` is exactly the same as the syntax of `\hbox`, but its contents is always typeset LTR.
- ☞ The syntax of `\vboxR` is exactly the same as the syntax of `\vbox`, but its contents is always typeset RTL.
- ☞ The syntax of `\vboxL` is exactly the same as the syntax of `\vbox`, but its contents is always typeset LTR.

1.16 Something To know about `\hbox`

If you enable RTL typesetting and typeset an horizontal box at the beginning of the document:



```

1 \documentclass{article}
2 \usepackage{bidi}
3 \setRTL
4 \begin{document}
5 \hbox{This is a Test}
6 \end{document}

```

You see that even you have used `\setRTL`, the horizontal box appears LTR (It appears on the left hand side and its content is typeset left to right). This is because when \TeX starts, it is in the vertical mode so if you need to have that `\hbox` appear RTL, then write `\leavevmode` before `\hbox`:

```

1 \documentclass{article}
2 \usepackage{bidi}
3 \setRTL
4 \begin{document}
5 \leavevmode\hbox{This is a Test}
6 \end{document}

```

1.17 `\bidillap` and `\bidirlap` Commands

In RTL mode, `\llap` and `\rlap` do opposite things. Since these two macros are used in a lot of classes and packages, instead of modifying these two macros, we have created two new macros `\bidillap` and `\bidirlap` which give logical results.

1.18 `LTRitems` and `RTLitems` Environments

If you typeset an `itemize`, or an `enumerate`, or a `description` environment where all `\items` are one directional, you have no problem at all as shown below:

```

1 \documentclass{article}
2 \begin{document}
3 Anyone who reads Old and Middle English literary texts will be familiar
4 with the mid-brown volumes of the EETS, with the symbol of Alfred's
5 \begin{enumerate}
6 \item Anyone who reads Old and Middle English literary texts will be
7 familiar with the mid-brown volumes of the EETS, with the symbol of
8 Alfred's
9 \item Anyone who reads Old and Middle English literary texts will be
10 familiar with the mid-brown volumes of the EETS, with the symbol of
11 Alfred's
12 \end{enumerate}
13 \end{document}

```

However if the above example becomes bidirectional, as shown below:

```

1 \documentclass{article}
2 \usepackage{bidi}

```



```

3 \begin{document}
4 Anyone who reads Old and Middle English literary texts will be familiar
5 with the mid-brown volumes of the EETS, with the symbol of Alfred's
6 \begin{enumerate}
7 \item Anyone who reads Old and Middle English literary texts will be
8 familiar with the mid-brown volumes of the EETS, with the symbol of
9 Alfred's
10 \setRTL
11 \item Anyone who reads Old and Middle English literary texts will be
12 familiar with the mid-brown volumes of the EETS, with the symbol of
13 Alfred's
14 \end{enumerate}
15 \end{document}

```

Then some people may argue that this typographically does not look promising. For this purpose, RTLitems environment is provided which has the following syntax:

```

\begin{RTLitems}
  \item <text>
  ...
\end{RTLitems}

```

By using the RTLitems environment, the previous example will look like the following:

```

1 \documentclass{article}
2 \usepackage{bidi}
3 \begin{document}
4 Anyone who reads Old and Middle English literary texts will be familiar
5 with the mid-brown volumes of the EETS, with the symbol of Alfred's
6 \begin{enumerate}
7 \item Anyone who reads Old and Middle English literary texts will be
8 familiar with the mid-brown volumes of the EETS, with the symbol of
9 Alfred's
10 \begin{RTLitems}
11 \item Anyone who reads Old and Middle English literary texts will be
12 familiar with the mid-brown volumes of the EETS, with the symbol of
13 Alfred's
14 \end{RTLitems}
15 \end{enumerate}
16 \end{document}

```

Similarly, LTRitems environment is defined which has the following syntax:

```

\begin{LTRitems}
  \item <text>
  ...
\end{LTRitems}

```



1.19 LTRbibitems and RTLbibitems Environments

The syntax of LTRbibitems and RTLbibitems environments is exactly like the syntax of LTRitems and RTLitems environments but there are few differences:

- ☞ LTRitems and RTLitems environments should only be used for list-like environments (such as itemize, enumerate and description environments) but LTRbibitems and RTLbibitems environments should only be used for thebibliography environment.
- ☞ Clearly instead of `\item`, you have `\bibitem` inside LTRbibitems and RTLbibitems environments.

1.20 `\setLTRbibitems`, `\setRTLbibitems`, and `\setdefaultbibitems` commands

<code>\setLTRbibitems</code> <code>\setRTLbibitems</code> <code>\setdefaultbibitems</code>
--

- ☞ If your whole thebibliography environment is inside RTL mode, but all your `\bibitems` are LTR and you actually want to have `\bibname` to appear on the RHS, you can use `\setLTRbibitems` command before thebibliography environment.
- ☞ If your whole thebibliography environment is inside LTR mode, but all your `\bibitems` are RTL and you actually want to have `\bibname` to appear on the LHS, you can use `\setRTLbibitems` command before thebibliography environment.
- ☞ `\setdefaultbibitems` is the default, when your `\bibitems` are a mixture of LTR and RTL and it does not matter what mode (LTR or RTL) your thebibliography environment is in. Please note that you do not have to use `\setdefaultbibitems` command in this case at all.

Consider an example that your thebibliography environment is inside LTR mode and you have, say two `\bibitems`. The first `\bibitem` is LTR and the second `\bibitem` is RTL. One could typeset this scenario as shown below:

```
1 \documentclass{article}
2 \usepackage{bidi}
3 \begin{document}
4 \begin{thebibliography}{99}
5 \bibitem This is the first bibitem which is LTR.
6 \begin{RTLbibitems}
7 \bibitem This is the second bibitem which is RTL.
8 \end{RTLbibitems}
9 \end{thebibliography}
10 \end{document}
```



1.21 Typesetting margin par

By default, in RTL mode, `\marginpar` appears on LHS and its content is typeset RTL and in LTR mode, `\marginpar` appears on RHS and its content is typeset LTR. In addition, the following commands are provided:

```
\setRTLmarginpar \setLTRmarginpar \setdefaultmarginpar
\LTRmarginpar[⟨left-text⟩]{⟨right-text⟩}
\RTLmarginpar[⟨left-text⟩]{⟨right-text⟩}
```

- ☞ `\setRTLmarginpar` always makes `\marginpar` to appear on LHS and the content of `\marginpar` is typeset RTL (this is independent of the current mode).
- ☞ `\setLTRmarginpar` always makes `\marginpar` to appear on RHS and the content of `\marginpar` is typeset LTR (this is independent of the current mode).
- ☞ `\setdefaultmarginpar` gives the default behaviour of `\marginpar` as described above.
- ☞ `\LTRmarginpar` typesets `⟨left-text⟩` and `⟨right-text⟩` always LTR.
- ☞ `\RTLmarginpar` typesets `⟨left-text⟩` and `⟨right-text⟩` always RTL.
- ☞ in RTL mode, places of `⟨left-text⟩` and `⟨right-text⟩` swaps.

1.22 Typesetting of Headers and Footers

If the main direction of the document is RTL, then headers and footers are typeset RTL and if the main direction of the document is LTR, then headers and footers are typeset LTR.

1.23 Tabular Typesetting

In RTL mode, tabular are typeset RTL and in LTR mode, tabular are typeset LTR.

1.24 Equation Numbers

For `reqno`, equation numbers are on the right hand side and for `leqno`, equation numbers are on the left hand side, independent on the current mode.

2 Support For Various Packages and Classes

The bidi package supports `amsmath`, `amstext`, `amsthm`, `array`, `arydshln`, `breqn`, `cals`, `caption`, `color`, `colortbl`, `crop`, `cuted`, `cutwin`, `dblfnote`, `draftwatermark`, `empheq`, `fancyhdr`, `fancybox`, `fix2col`, `float`, `floatrow`, `flowfram`, `framed`, `ftnright`, `geometry`, `graphicx`, `hvfloa`, `hyperref`, `lettrine`, `listings`, `mdframed`, `midfloat`, `minitoc`, `multicol`, `multienum`, `newfloat`, `pdfpages`, `pstricks`, `quotchap`, `pinyin`, `ragged2e`, `rotating`, `sidecap`, `stabular`,



subfig, subfigure, supertabular, xtab, tabs, tabulary, PGF & TIKZ, tocbibind, tocloft, tocstyle, wrapfig, xcolor, xltextra packages, amsart, amsbook, artikel1, artikel2, artikel3, extarticle, flashcards, standrad article, boek, boek3, standard book, bookest, extbook, extletter, scrlettr, standard letter, memoir, extreport, rapport1, rapport3, refrep, standard report, scrartcl, scrbook, scrreprt classes and any other packages and classes that relies on these packages and classes. This means, you can use all these packages and classes in addition to other packages and classes that rely on these packages and classes and use their functionality fully for your bidirectional documents. We now give some details that you should know about the supported packages or classes.

2.1 Color

You can use color and xcolor packages to typeset texts in colours and colour boxes produced by `\colorbox` and `\fcolorbox` commands. Please note that your Coloured text should not span more than a line, if your text spans more than a line, you will be in trouble which means your whole document, page or paragraph may be coloured. If your texts spans more than a line, then you should use xecolor package. Also if you are going to use `\color` command to colour the text at the beginning of a paragraph, then you should have `\leavevmode` before `\color` command. For having coloured tabular, you can use colortbl package.

2.2 The dblfnote package

The dblfnote package makes footnotes double-columned. In addition bidi package adds bidirectional support for the dblfnote package by providing the following commands:

<code>\RTLdfnmakecol</code>	<code>\LTRdfnmakecol</code>
-----------------------------	-----------------------------

☞ `\RTLdfnmakecol` makes footnotes double-columned RTL.

☞ `\LTRdfnmakecol` makes footnotes double-columned LTR.

☞ If the main direction of the document is RTL, `\RTLdfnmakecol` is active and if the main direction of the document is LTR, `\LTRdfnmakecol` is active.

Please note that when using dblfnote package, the footnote rule will be as wide as the footnote column and `\autofootnoterule`, `\rightfootnoterule`, `\leftfootnoterule`, and `\textwidthfootnoterule` commands have no effects.

2.3 Hyperref

The hyperref package works fine with bidirectional documents if and only if, your link will not span more than a line. If your link spans more than a line, then your whole document, or page or paragraph may be linked.



2.4 The listings package

Suppose that the main direction of the document is RTL, and you want to typeset a piece of C code in LTR mode but you also have the requirement that the caption of that particular code should be RTL. Since the direction of the code is LTR, then the direction of the caption also will be LTR and this is not something you want; sadly there is no easy way to do this. For this very reason, the `bidi` package adds a key to the `listings` package, namely `captiondirection`. This key can have the following values:

☞ `textdirection` follows the direction of the text (default).

☞ `RTL` sets the direction of the caption to RTL.

☞ `LTR` sets the direction of the caption to LTR.

Giving any other values gives you an error.

2.5 flowfram Package

You can use `flowfram` package for your bidirectional documents. Please note that `flowfram` package provides support for bidirectional column typesetting, for details, see its manual.

2.6 Multicolumn Typesetting

In the previous versions of `bidi` package, it was recommended that you need to use `fmultico` package instead the original `multicol` package for RTL multicolumn typesetting. This is not the case any more and you should not use buggy `fmultico` package any more. Simply load the original `multicol` package before loading `bidi`. `bidi` now supports `multicol` package and you can typeset bidirectional multi columns. When using `multicol` package, the following two additional commands are provided:

`\RTLmulticolcolumns` `\LTRmulticolcolumns`

If the main direction of the document is RTL, then you get RTL multi columns and if the main direction of the document is LTR, then you get LTR multi columns. In addition, `\RTLmulticolcolumns` allows you to have RTL multi columns and `\LTRmulticolcolumns` allows you to have LTR multi columns. In addition, you also can use `vwcol` package for variable width bidirectional column typesetting.

3 Extra bidi Packages and Classes



3.1 bidi-longtable package

For typesetting RTL tables with longtable package, an experimental package, bidi-longtable package, is provided. bidi-longtable package should be loaded after longtable package.

3.2 bidentufte bundle

A modified version of tufte-latex, bidentufte bundle, mainly for RTL typesetting, is provided. If you never used bidentufte bundle or tufte-latex package and you want to use bidentufte bundle, then you need to look at tufte-latex package's manual and examples. In addition, for using bidentufte bundle, you need to know the following notes:

- ☞ You need to use bidentufte-book class instead tufte-book class and bidentufte-handout class instead tufte-handout class.
- ☞ bidentufte bundle provides the following extra commands:

`\LTRsidenote` `\RTLsidenote` `\LTRmarginnote` `\RTLmarginnote`

- ☞ bidentufte-book and bidentufte-handout classes provide two extra options; RTLgeometry (active when loading either of classes) and LTRgeometry.
- ☞ bidentufte bundle unlike tufts-latex package, only provides justified lines.
- ☞ Some features of tufte-latex that does not make any sense in RTL, do not exist in bidentufte bundle (no need for soul, letterspace and macrotype packages).
- ☞ If you want to configure bidentufte-book class for your own needs, then you can create a file with the name bidentufte-book.cfg and put your \LaTeX macros in that file; similarly, if you want to configure bidentufte-handout class for your own needs, then you can create a file with the name bidentufte-handout.cfg and put your \LaTeX macros in that file.

3.3 Typesetting \TeX and \LaTeX Codes

The \LaTeX codes in this manual are typeset using the bidicode package. In standard \LaTeX you can not use footnotes inside `\chapter`, `\part`, `\section`, `\subsection`, `\subsubsection` and any other section-like commands, `\caption` and tabular environment.

bidi package provides bidiftnextra package that solves the issue of footnote in standard \LaTeX . bidiftnextra package should be loaded after bidi package.



3.4 Typesetting Poems

The bidi package provides bidipoem package for typesetting Persian poems. It provides four environments, `traditionalpoem`, `modernpoem` and starred version of these. In the starred version of these environments you do not need to type `\\` and that is the only difference with the normal version of the environments. The `traditionalpoem` environment and its starred version are also useful for typesetting Classic Arabic poetry, in fact this package may also be useful for other RTL languages.

When using bidipoem package, at least you need to run `xelatex` twice on your document. In fact, if you run `xelatex` just once on your document, you get a message saying “Unjustified poem. Rerun XeLaTeX to get poem right”.

When you typeset your poems, you might get underfull `\hbox` messages. This is absolutely normal and if you want to get rid of these underfull `\hbox` messages, then you would need to use Kashida.

If you need to change the default distance between two verses, you can do just that by:

```
\renewcommand\poemcolsepskip{\langle length \rangle}
```

```
\begin{traditionalpoem}  
  \langle verse1 \rangle & \langle verse2 \rangle \\  
  \langle verse3 \rangle & \langle verse4 \rangle \\  
  ...  
\end{traditionalpoem}
```

```
\begin{traditionalpoem*}  
  \langle verse1 \rangle & \langle verse2 \rangle  
  \langle verse3 \rangle & \langle verse4 \rangle  
  ...  
\end{traditionalpoem*}
```

3.5 Typesetting Resumé

The bidi package provides `bidimoderncv`² class for typesetting resumé. There are two examples, namely `test-casualcv.tex` and `test-classiccv.tex`, in the doc folder than you can look and learn how you can use it.

3.6 Print Two Pages On A Single Page

bidi package provides `bidi2in1` package for printing two pages on a single (landscape) A4 page. Page numbers appear on the included pages, and not on the landscape ‘container’ page.

²This class is the modified version of `moderncv` class.



3.7 Producing Presentations

At the moment, there is only one class that you can prepare your presentations with.

4 Some Useful Internal Macros and Programming Tips

There are some useful internal macros and programming tips that might be helpful for you. This section, explains all these useful internals and programming tips.

4.1 Equating Conditionals

`\eqnewif{<\newconditional1>}{<\newconditional2>}`

In standard \LaTeX , `\newif` command is provided that you can define a new conditional with it. `\eqnewif` command is similar to `\newif` command but:

- ☞ With `\eqnewif` command, you can define two new conditionals instead one, so clearly it has two mandatory arguments.
- ☞ `\newconditional1` will be identical to `\newconditional2`, so that whenever `\newconditional1` is true, then `\newconditional2` is also true and whenever `\newconditional1` is false, then `\newconditional2` is also false and vice versa.

4.2 RTL Conditional

`\if@RTL`

`\if@RTL` conditional is true inside RTL mode and it is false in LTR mode.

4.3 Main RTL Conditional

`\if@RTLmain`

If the main direction of the document is RTL, `\if@RTLmain` is true and if the main direction of the document is LTR, `\if@RTLmain` is false.

4.4 Latin Conditional

`\if@Latin`

`\if@Latin` inside any environment that uses Latin font is true and inside any environment that uses RTL font is false.



4.5 Tags Internal Macro

```
\@iftagsloaded{<tags name>}{<do thing(s) if the tag is loaded>}  
{<do thing(s) if the tag is not loaded>}
```

As you can see, the syntax of \@iftagsloaded is exactly the same as the syntax of \@ifpackageloaded and \@ifclassloaded. By tags, we mean things like leqno or reqno. Please note that in the argument <tags name>, the extension clo should not be given.

4.6 Definition File Loaded Internal Macro

```
\@ifdefinitionfileloaded{<definition file name>}  
{<do thing(s) if the definition file is loaded>}  
{<do thing(s) if the definition file is not loaded>}
```

As you can see, the syntax of \@ifdefinitionfileloaded is exactly the same as the syntax of \@ifpackageloaded and \@ifclassloaded. By definition file, we mean things like hyperref-bidi.def or wrapfig-bidi.def. Please note that in the argument <definition file name>, the extension def should not be given.

4.7 Tabular Conditional

```
\if@RTLtab
```

If the tabular is typeset RTL, \if@RTLtab is true and if the tabular is typeset LTR, \if@RTLtab is false.

4.8 Footnote Conditional

```
\if@RTL@footnote
```

When footnotes are typeset RTL, \if@RTL@footnote is true and when footnotes are typeset LTR, \if@RTL@footnote is false.

4.9 Direction Ensuring Macros

```
\@ensure@RTL{<text>} \@ensure@RL{<text>} \@ensure@LTR{<text>}  
\@ensure@LR{<text>} \@ensure@dir{<text>} \@ensure@maindir{<text>}
```

☞ \@ensure@RTL and \@ensure@RL internals make sure that <text> is always typeset RTL, independent on the current mode.

☞ \@ensure@LTR and \@ensure@LR internals make sure that <text> is always typeset LTR, independent on the current mode.



☞ `\@ensure@dir` and `\@ensure@maindir` if used in RTL mode, they put `<text>` inside `\RLE` and if used in LTR mode, they put the text as it is.

4.10 Reset Direction Macro

```
\save@dir \saved@@dir \reset@dir
```

☞ `\save@dir`, if the direction of typesetting is RTL, defines `\saved@@dir` to be RTL and if the direction of typesetting is LTR, defines `\saved@@dir` to be LTR.

☞ `\reset@dir`, if `\saved@@dir` is defined as RTL, inserts `\setRTL` otherwise, if `\saved@@dir` is defined as LTR, inserts `\setLTR`, otherwise does nothing.

Part II

Plain T_EX Manual

5 Basics

5.1 Loading The Package

You can load the package in the ordinary way;

```
\input bidi
```

When loading the package, it is important to know that: `bidi` should be the last package that you load, because otherwise you are certainly going to overwrite `bidi`'s definitions and consequently, you will not get the expected output.

5.2 Commands for Version number, and Date of The Package

```
\bidiversion \bididate
```

☞ `\bidiversion` gives the current version of the package.

☞ `\bididate` gives the current date of the package.

```
1 \input bidi
2 This is typeset by \textsf{bidi} package, \bidiversion, \bididate.
3 \end
```



5.3 Turning TeX--XeT features on and off

The bidirectional typesetting in XeTeX is based on TeX--XeT algorithm and bidi package automatically turns the feature on for typesetting bidirectional texts. As the internal data structures built by TeX--XeT differ from those built by TeX, the typesetting of a document by TeX--XeT may therefore differ from that performed by TeX. So you may notice that some packages behave differently when TeX--XeT feature is on and you may want to turn the feature off for a part of the text so that you get the default behaviour of original TeX. Two commands are provided for this purpose:

`\TeXXeTOn \TeXXeTOff`

☞ `\TeXXeTOn` turns TeX--XeT feature on, which is active by default when bidi package is loaded.

☞ `\TeXXeTOff` turns TeX--XeT feature off.

5.4 Paragraph Switching Commands

`\setLTR \setLR \unsetRL \unsetRTL
\setRTL \setRL \unsetLTR`

☞ With any of the commands in the first row, you can typeset LTR paragraphs.

☞ With any of the commands in the second row, you can typeset RTL paragraphs.

```
1 \input bidi
2 \setRTL%
3 Anyone who reads Old and Middle English literary texts will be
4 familiar with the mid-brown volumes of the EETS, with the symbol
5 of Alfred's jewel embossed on the front cover.
6
7 \setLTR% Notice the blank line before \setLTR
8 Anyone who reads Old and Middle English literary texts will be
9 familiar with the mid-brown volumes of the EETS, with the symbol
10 of Alfred's jewel embossed on the front cover.
11 \end
```

5.5 Paragraph Switching Environments

`\LTR <text> \endLTR
\RTL <text> \endRTL`

☞ With LTR environment, you can typeset LTR paragraphs.



☞ With RTL environment, you can typeset RTL paragraphs.

```
1 \input bidi
2 \RTL
3 Anyone who reads Old and Middle English literary texts will be familiar
4 with the mid-brown volumes of the EETS, with the symbol
5 of Alfred's jewel embossed on the front cover.
6 \LTR
7 Anyone who reads Old and Middle English literary texts will be familiar
8 with the mid-brown volumes of the EETS, with the symbol
9 of Alfred's jewel embossed on the front cover.
10 \endLTR
11 And we are still typesetting right to left.
12 \endRTL
13 \end
```

5.6 Typesetting Short LTR and RTL Texts

<code>\LRE{<text>}</code>	<code>\LR{<text>}</code>
<code>\RLE{<text>}</code>	<code>\RL{<text>}</code>

☞ With any of the commands in the first row, you can typeset short LTR text inside RTL paragraphs.

☞ With any of the commands in the second row, you can typeset short RTL text inside LTR paragraphs.

```
1 \input bidi
2 \RTL
3 Anyone who reads Old and Middle English \LRE{Short left to right text}
4 literary texts will be familiar
5 with the mid-brown volumes of the EETS, with the symbol
6 of Alfred's jewel embossed on the front cover.
7 \LTR
8 Anyone who reads Old and Middle English \RLE{Short right to left text}
9 literary texts will be familiar
10 with the mid-brown volumes of the EETS, with the symbol
11 of Alfred's jewel embossed on the front cover.
12 \endLTR
13 \endRTL
14 \end
```



5.7 Primitive-like commands

`\hboxR` `\hboxL` `\vboxR` `\vboxL`

- ☞ The syntax of `\hboxR` is exactly the same as the syntax of `\hbox`, but its contents is always typeset RTL.
- ☞ The syntax of `\hboxL` is exactly the same as the syntax of `\hbox`, but its contents is always typeset LTR.
- ☞ The syntax of `\vboxR` is exactly the same as the syntax of `\vbox`, but its contents is always typeset RTL.
- ☞ The syntax of `\vboxL` is exactly the same as the syntax of `\vbox`, but its contents is always typeset LTR.

5.8 Something To know about `\hbox`

If you enable RTL typesetting and typeset an horizontal box at the beginning of the document:

```
1 \input bidi
2 \setRTL
3 \hbox{This is a Test}
4 \end
```

You see that even you have used `\setRTL`, the horizontal box appears LTR (It appears on the left hand side and its content is typeset left to right). This is because when \TeX starts, it is in the vertical mode so if you need to have that `\hbox` appear RTL, then write `\leavevmode` before `\hbox`:

```
1 \input bidi
2 \setRTL
3 \leavevmode\hbox{This is a Test}
4 \end
```

5.9 Typesetting Logos

`\XeTeX`

`bidi` defines \XeTeX logo and in addition, it makes sure that the logo, \TeX is typeset LTR.

6 Some Useful Internal Macros and Programming Tips

There are some useful internal macros and programming tips that might be helpful for you. This section, explains all these useful internals and programming tips.



6.1 RTL Conditional

`\if@RTL`

`\if@RTL` conditional is true inside RTL mode and it is false in LTR mode.

6.2 Main RTL Conditional

`\if@RTLmain`

If the main direction of the document is RTL, `\if@RTLmain` is true and if the main direction of the document is LTR, `\if@RTLmain` is false.

6.3 Direction Ensuring Macros

`\@ensure@RTL{<text>} \@ensure@RL{<text>} \@ensure@LTR{<text>}
\@ensure@LR{<text>} \@ensure@dir{<text>} \@ensure@maindir{<text>}`

- ☞ `\@ensure@RTL` and `\@ensure@RL` internals make sure that `<text>` is always typeset RTL, independent on the current mode.
- ☞ `\@ensure@LTR` and `\@ensure@LR` internals make sure that `<text>` is always typeset LTR, independent on the current mode.
- ☞ `\@ensure@dir` and `\@ensure@maindir` if used in RTL mode, they put `<text>` inside `\RLE` and if used in LTR mode, they put the text as it is.

6.4 Reset Direction Macro

`\save@dir \saved@@dir \reset@dir`

- ☞ `\save@dir`, if the direction of typesetting is RTL, defines `\saved@@dir` to be RTL and if the direction of typesetting is LTR, defines `\saved@@dir` to be LTR.
- ☞ `\reset@dir`, if `\saved@@dir` is defined as RTL, inserts `\setRTL` otherwise, if `\saved@@dir` is defined as LTR, inserts `\setLTR`, otherwise does nothing.

7 bidi implementation

7.1 amsart-xetex-bidi.def

```
1 \ProvidesFile{amsart-xetex-bidi.def}[2015/11/14 v0.9 bidi adaptations for amsart class for XeTeX]
2 \def\@tocline#1#2#3#4#5#6#7{\relax
3   \ifnum #1>\c@tocdepth % then omit
4   \else
5     \par \addpenalty\@secpenalty\addvspace{#2}%
6     \begingroup \hyphenpenalty\@M
```



```

7 \ifempty{#4}{%
8 \@tempdima\csname r@tocindent\number#1\endcsname\relax
9 }{%
10 \@tempdima#4\relax
11 }%
12 \parindent\z@ \if@RTL\rightrightskip\else\leftskip\fi#3\relax \advance\if@RTL\rightrightskip\else\leftskip\fi#3\relax
13 \if@RTL\leftskip\else\rightrightskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
14 #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
15 \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
16 \nobreak
17 \endgroup
18 \fi}
19 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
20 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
21 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
22 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
23 \def\part{\@startsection{part}{0}%
24 \z@{\linespacing\@plus\linespacing}{.5\linespacing}%
25 {\normalfont\bfseries\if@RTL\raggedleft\else\raggedright\fi}}
26 \def\right@footnoterule{%
27 \kern-.4p@
28 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-5pc\relax \hrulefill }
29 \kern11p@\kern-\footnotesep}
30 \def\left@footnoterule{\kern-.4p@
31 \hrule\@width 5pc\kern11p@\kern-\footnotesep}
32
33
34 \long\def\@footnotetext#1{%
35 \insert\footins{%
36 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
37 \normalfont\footnotesize
38 \interlinepenalty\interfootnotelinepenalty
39 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
40 \floatingpenalty\@MM \hsize\columnwidth
41 \@parboxrestore \parindent\normalparindent \sloppy
42 \protected@edef\@currentlabel{%
43 \csname p@footnote\endcsname\@thefnmark}%
44 \@makefnmark{%
45 \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}
46
47 \long\def\@RTLfootnotetext#1{%
48 \insert\footins{%
49 \@RTLtrue%
50 \normalfont\footnotesize
51 \interlinepenalty\interfootnotelinepenalty
52 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
53 \floatingpenalty\@MM \hsize\columnwidth
54 \@parboxrestore \parindent\normalparindent \sloppy
55 \protected@edef\@currentlabel{%
56 \csname p@footnote\endcsname\@thefnmark}%

```



```

57 \makefnintext{%
58 \rule{z@footnotesep}{\ignorespaces#1\unskip\strut\par}}
59
60
61
62 \long\def\@LTRfootnotetext#1{%
63 \insert\footins{%
64 \RTLfalse%
65 \normalfont\footnotesize
66 \interlinepenalty\interfootnotelinepenalty
67 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
68 \floatingpenalty\@MM \hsize\columnwidth
69 \@parboxrestore \parindent\normalparindent \sloppy
70 \protected@edef\@currentlabel{%
71 \csname p@footnote\endcsname\@thefnmark}%
72 \makefnintext{%
73 \rule{z@footnotesep}{\ignorespaces#1\unskip\strut\par}}}
74
75
76 \footdir@temp\footdir@ORG@bidi@amsart@footnotetext\@footnotetext{\bidi@footdir@footnote}%
77 \footdir@temp\footdir@ORG@bidi@amsart@RTLfootnotetext\@RTLfootnotetext{R}%
78 \footdir@temp\footdir@ORG@bidi@amsart@LTRfootnotetext\@LTRfootnotetext{L}%
79
80 \renewenvironment{thebibliography}[1]{%
81 \bibtitlestyle
82 \normalfont\bibliofont\labelsep .5em\relax
83 \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\@empty
84 \ifRTL\ifLTRbibitems\RTLfalse\else\fi\else\ifRTLbibitems\RTLtrue\else\fi\fi
85 \list{\@biblabel{\theenumiv}}{\settowidth\labelwidth{\@biblabel{#1}}%
86 \leftmargin\labelwidth \advance\leftmargin\labelsep
87 \usecounter{enumiv}}%
88 \sloppy \clubpenalty\@M \widowpenalty\clubpenalty
89 \sfcode\@.=\@m
90 }{%
91 \def\@noitemerr{\@latex@warning{Empty 'thebibliography' environment}}%
92 \endlist
93 }
94 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi
95 \columnseprule\z@ \columnsep 35pt
96 \@indextitlestyle
97 \thispagestyle{plain}%
98 \let\item\@idxitem
99 \parindent\z@ \parskip\z@\@plus.3pt\relax
100 \ifRTL\raggedleft\else\raggedright\fi
101 \hyphenpenalty\@M
102 \footnotesize}
103 \def\@idxitem{\par\hangindent \ifRTL-\fi2em}
104 \def\subitem{\par\hangindent \ifRTL-\fi2em\hspace*{1em}}
105 \def\subsubitem{\par\hangindent \ifRTL-\fi3em\hspace*{2em}}
106 \def\maketitle{\par

```



```

107 \@topnum\z@ % this prevents figures from falling at the top of page 1
108 \@setcopyright
109 \thispagestyle{firstpage}% this sets first page specifications
110 \uppercasenonmath\shorttitle
111 \ifx\@empty\shortauthors \let\shortauthors\shorttitle
112 \else \andify\shortauthors
113 \fi
114 \@maketitle@hook
115 \begingroup
116 \@maketitle
117 \toks@\@xp{\shortauthors}\@temptokena\@xp{\shorttitle}%
118 \toks4{\def\{\ \ignorespaces}}% defend against questionable usage
119 \edef\@tempa{%
120   \@nx\markboth{\the\toks4
121     \@nx\MakeUppercase{\the\toks0}}{\the\@temptokena}}%
122 \@tempa
123 \endgroup
124 \c@footnote\z@
125 \@cleartopmattertags
126 }

```

7.2 adjmulticol-xetex-bidi.def

```

127 \ProvidesFile{adjmulticol-xetex-bidi.def}[2015/04/25 v0.1 bidi adaptations for adjmulticol pack
128 \def\adjmulticols#1#2#3{\col@number#1\relax
129   \def\@tempa{#2}%
130   \ifx\@tempa\@empty\adjmc@inner\z@\else\adjmc@inner#2\fi
131   \def\@tempa{#3}%
132   \ifx\@tempa\@empty\adjmc@outer\z@\else\adjmc@outer#3\fi
133   \ifnum\col@number<\@ne
134     \PackageWarning{adjmulticol}%
135       {Using `~\number\col@number'
136         columns doesn't seem a good idea.^^J
137         I therefore use one columns instead}%
138     \col@number\@ne\fi
139   \ifnum\col@number>10
140     \PackageError{adjmulticol}%
141       {Too many columns}%
142     {Current implementation doesn't
143       support more than 10 columns.%
144       \MessageBreak
145       I therefore use 10 columns instead}%
146     \col@number10 \fi
147   \ifx\@footnotetext\mult@footnotetext\else
148     \let\orig@footnotetext\@footnotetext
149     \let\@footnotetext\mult@footnotetext
150   \fi
151   \ifx\@LTRfootnotetext\mult@LTRfootnotetext\else
152     \let\orig@LTRfootnotetext\@LTRfootnotetext
153     \let\@LTRfootnotetext\mult@LTRfootnotetext

```



```

154 \fi
155 \ifx\@RTLfootnotetext\mult@RTLfootnotetext\else
156 \let\orig@RTLfootnotetext\@RTLfootnotetext
157 \let\@RTLfootnotetext\mult@RTLfootnotetext
158 \fi
159 \@ifnextchar[\adjmult@cols{\adjmult@cols[]}]{}
160 \let\adjmc@page@sofar@orig=\page@sofar

```

7.3 algorithm2e-xetex-bidi.def

```

161 \ProvidesFile{algorithm2e-xetex-bidi.def}[2015/02/01 v0.1 bidi adaptations for algorithm2e pack
162 \expandafter\ifx\csname algocf@within\endcsname\relax% if \algocf@within doesn't exist
163 \else%
164 \renewcommand\thealgocf{\csname the\algocf@within\endcsname\@SepMark\@arabic\c@algocf}%
165 \fi%
166
167 \def\@algocf@pre@boxed{\noindent\begin{bidi@lrbox}{\algocf@algorithmbox}}
168 \def\@algocf@post@boxed{\end{bidi@lrbox}\framebox[\hsize]{\box\algocf@algorithmbox}\par}%
169 \def\@algocf@pre@boxruled{\noindent\begin{bidi@lrbox}{\algocf@algorithmbox}}
170 \def\@algocf@post@boxruled{\end{bidi@lrbox}\framebox[\hsize]{\box\algocf@algorithmbox}\par}%
171 \renewcommand{\@algocf@start}{%
172 \algoskip%
173 \begin{bidi@lrbox}{\algocf@algorithmbox}%
174 \setlength{\algowidth}{\hsize}%
175 \vbox\bgroup% save all the algo in a box
176 \hbox to\algowidth\bgroup\hbox to \algomargin{\hfill}\vtop\bgroup%
177 \ifthenelse{\boolean{algocf@slide}}{\parskip 0.5ex\color{black}}{}%
178 % initialization
179 \addtolength{\hsize}{-1.5\algomargin}%
180 \let\@mathsemicolon=\;\def\;\{\ifmmode\@mathsemicolon\else\@endalgoln\fi}%
181 \raggedright\AlFnt}%
182 \ifthenelse{\boolean{algocf@slide}}{\IncMargin{\skipalgocfslide}}{}%
183 \@algoinsideskip%
184 % \let\@emathdisplay=\]\def\]{\algocf@endline\@emathdisplay\nl}%
185 }%
186 \renewcommand{\@algocf@finish}{%
187 \@algoinsideskip%
188 \egroup%end of vtop which contain all the text
189 \hfill\egroup%end of hbox wich contains [margin][vtop]
190 \ifthenelse{\boolean{algocf@slide}}{\DecMargin{\skipalgocfslide}}{}%
191 %
192 \egroup%end of main vbox
193 \end{bidi@lrbox}%
194 \algocf@makethealgo% print the algo
195 \algoskip%
196 % restore dimension and macros
197 \setlength{\hsize}{\algowidth}%
198 \lineskip\normallineskip\setlength{\skiptotal}{\@defaultskiptotal}%
199 \let\;=\@mathsemicolon%
200 \let\]=\@emathdisplay%

```



201 }%

7.4 amsbook-xetex-bidi.def

```

202 \ProvidesFile{amsbook-xetex-bidi.def}[2015/11/14 v1.0 bidi adaptations for amsbook class for XeTeX]
203 \def\tocline#1#2#3#4#5#6#7{\relax
204   \ifnum #1>\c@tocdepth % then omit
205   \else
206     \par \addpenalty\@secpenalty\addvspace{#2}%
207     \begingroup \hyphenpenalty\@M
208     \@ifempty{#4}{%
209       \@tempdima\csname r@tocindent\number#1\endcsname\relax
210     }{%
211       \@tempdima#4\relax
212     }%
213     \parindent\z@ \if@RTL\righskip\else\leftskip\fi#3\relax \advance\if@RTL\righskip\else\leftskip\fi
214     \if@RTL\leftskip\else\righskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
215     #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
216     \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
217     \nobreak
218     \endgroup
219   \fi}
220 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
221 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
222 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
223 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
224 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi
225   \columnseprule\z@ \columnsep 35\p@
226   \@indextitlestyle
227   \thispagestyle{plain}%
228   \let\item\@idxitem
229   \parindent\z@ \parskip\z@\@plus.3\p@\relax
230   \if@RTL\raggedleft\else\raggedright\fi
231   \hyphenpenalty\@M
232   \footnotesize}
233 \def\@idxitem{\par\hangindent \if@RTL-\fi2em}
234 \def\subitem{\par\hangindent \if@RTL-\fi2em\hspace*{1em}}
235 \def\subsubitem{\par\hangindent \if@RTL-\fi3em\hspace*{2em}}
236 \def\righ@footnoterule{%
237   \kern-.4\p@
238   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-5pc\relax \hrulefill }
239   \kern11\p@\kern-\footnotesep}
240 \def\left@footnoterule{\kern-.4\p@
241   \hrule\@width 5pc\kern11\p@\kern-\footnotesep}
242
243 \long\def\@footnotetext#1{%
244   \insert\footins{%
245     \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
246     \normalfont\footnotesize
247     \interlinepenalty\interfootnotelinepenalty

```



```

248 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
249 \floatingpenalty\@MM \hsize\columnwidth
250 \@parboxrestore \parindent\normalparindent \sloppy
251 \protected@edef\@currentlabel{%
252   \csname p@footnote\endcsname\@thefnmark}%
253 \@makefnintext{%
254   \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}
255
256 \long\def\@RTLfootnotetext#1{%
257   \insert\footins{%
258     \@RTLtrue%
259     \normalfont\footnotesize
260     \interlinepenalty\interfootnotelinepenalty
261     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
262     \floatingpenalty\@MM \hsize\columnwidth
263     \@parboxrestore \parindent\normalparindent \sloppy
264     \protected@edef\@currentlabel{%
265       \csname p@footnote\endcsname\@thefnmark}%
266     \@makefnintext{%
267       \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}}
268
269
270 \long\def\@LTRfootnotetext#1{%
271   \insert\footins{%
272     \@RTLfalse%
273     \normalfont\footnotesize
274     \interlinepenalty\interfootnotelinepenalty
275     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
276     \floatingpenalty\@MM \hsize\columnwidth
277     \@parboxrestore \parindent\normalparindent \sloppy
278     \protected@edef\@currentlabel{%
279       \csname p@footnote\endcsname\@thefnmark}%
280     \@makefnintext{%
281       \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}}
282
283
284
285 \footdir@temp\footdir@ORG@bidi@amsbook@footnotetext\@footnotetext{\bidi@footdir@footnote}%
286 \footdir@temp\footdir@ORG@bidi@amsbook@RTLfootnotetext\@RTLfootnotetext{R}%
287 \footdir@temp\footdir@ORG@bidi@amsbook@LTRfootnotetext\@LTRfootnotetext{L}%
288
289 \renewenvironment{thebibliography}[1]{%
290   \@bibtitlestyle
291   \normalfont\bibliofont\labelsep .5em\relax
292   \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\@empty
293   \ifRTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
294   \list{\@biblabel{\theenumiv}}{\settowidth\labelwidth{\@biblabel{#1}}%
295     \leftmargin\labelwidth \advance\leftmargin\labelsep
296     \usecounter{enumiv}}}%
297   \sloppy \clubpenalty\@M \widowpenalty\clubpenalty

```



```

298 \sfcode`\.=\@m
299 }{%
300 \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
301 \endlist
302 }
303 \def\@makechapterhead#1{\global\topskip 7.5pc\relax
304 \begingroup
305 \fontsize{\@xivpt}{18}\bfseries\centering
306 \ifnum\c@secnumdepth>\m@ne
307 \leavevmode \hskip-\if@RTL\righskip\else\leftskip\fi
308 \rlap{\vbox to\z@{\vss
309 \centerline{\normalsize\mdseries
310 \uppercase\exp{\chaptername}\enspace\thechapter}
311 \vskip 3pc}}\hskip\if@RTL\righskip\else\leftskip\fi\fi
312 #1\par \endgroup
313 \skip@34p@ \advance\skip@-\normalbaselineskip
314 \vskip\skip@ }
315 \def\maketitle{\par
316 \@topnum\z@ % this prevents figures from falling at the top of page 1
317 \begingroup
318 \@maketitle
319 \endgroup
320 \c@footnote\z@
321 \def\do##1{\let##1\relax}%
322 \do\maketitle \do\@maketitle \do\title \do\xtitle \do\@title
323 \do\author \do\@xauthor \do\address \do\@xaddress
324 \do\email \do\@xemail \do\curraddr \do\@xcurraddr
325 \do\dedicatory \do\@dedicatory \do\thanks \do\thankses
326 \do\keywords \do\@keywords \do\subjclass \do\@subjclass
327 }

```

7.5 amsmath-xetex-bidi.def

```

328 \ProvidesFile{amsmath-xetex-bidi.def}[2014/09/04 v0.9 bidi adaptations for amsmath package for Xe
329 \let\veqno=\eqno
330 \iftagsleft@ \let\veqno=\leqno \fi
331 \renewcommand{\numberwithin}[3][\arabic]{%
332 \ifundefined{c@#2}{\@nocounterr{#2}}{%
333 \ifundefined{c@#3}{\@nocnterr{#3}}{%
334 \addtoreset{#2}{#3}%
335 \exp\xdef\csname the#2\endcsname{%
336 \exp\@nx\csname the#3\endcsname \@nx\@SepMark\@nx#1{#2}}}%
337 }
338 \def\tagform@#1{\maketag@@@{\if@Latin\else\beginR\fi(\ignorespaces#1\unskip\@italiccorr)\if@

```

7.6 amstext-xetex-bidi.def

```

339 \ProvidesFile{amstext-xetex-bidi.def}[2013/04/04 v0.1 bidi adaptations for amstext package for Xe
340 \def\textdef@#1#2#3{\hbox{%
341 \everymath{#1}%
342 \let\fontsize#2\selectfont

```



```
343 \if@Latin\else\beginR\fi#3\if@Latin\else\endR\fi}}}
```

7.7 amsthm-xetex-bidi.def

```
344 \ProvidesFile{amsthm-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for amsthm package for XeTeX]
345 \def\@thmcountersep{\@SepMark}
```

7.8 array-xetex-bidi.def

```
346 \ProvidesFile{array-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for array package for XeTeX]
347 \def\@testpach{\@chclass
348 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
349 \ifnum \@lastchclass=7 5 \else
350 \ifnum \@lastchclass=8 \tw@ \else
351 \ifnum \@lastchclass=9 \thr@@
352 \else \z@
353 \ifnum \@lastchclass = 10 \else
354 \edef\@nextchar{\expandafter\string\@nextchar}%
355 \@chnum
356 \if \@nextchar c\z@ \else
357 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
358 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
359 \z@ \@chclass
360 \if \@nextchar |\@ne \else
361 \if \@nextchar !6 \else
362 \if \@nextchar @7 \else
363 \if \@nextchar <8 \else
364 \if \@nextchar >9 \else
365 10
366 \@chnum
367 \if \@nextchar m\thr@@\else
368 \if \@nextchar p4 \else
369 \if \@nextchar b5 \else
370 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi
371 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
372 \def\@tabular{\if@RTL\@RTLtabtrue\fi%
373 \leavevmode
374 \hbox \bgroup\if@RTLtab\beginR \fi $\col@sep\tabcolsep \let\d@llarbegin\beginR
375 \let\d@llarend\endR
376 \@tabarray}
377 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup\@RTLtabfalse}
378 \expandafter\let\csname endtabular*\endcsname=\endtabular
379 \def\@array[#1]#2{%
380 \@tempdima \ht \strutbox
381 \advance \@tempdima by\extrarowheight
382 \setbox \@arstrutbox \hbox{\vrule
383 \height \arraystretch \@tempdima
384 \depth \arraystretch \dp \strutbox
385 \width \z@}%
386 \beginR
387 \@mkpream{#2}%
```



```

388 \xdef\@preamble{\noexpand \ialign \@halignto
389             \bgroup \@arstrut \@preamble
390             \tabskip \z@ \cr}%
391 \endgroup
392 \@arrayleft
393 \if #1\top \else \if#1b\vbox \else \vcenter \fi \fi
394 \bgroup
395 \let \@sharp ##\let \protect \relax
396 \lineskip \z@
397 \baselineskip \z@
398 \m@th
399 \let\\\@arraycr \let\tabularnewline\\\let\par\@empty \if@RTLtab\hbox\bgroup\beginR\if #1\top
400 \def\@tabarray{\@ifnextchar [{\@array}{\@array[c]}}
401 \def\endarray{\crrc \egroup\if@RTLtab\egroup\endR\egroup\fi \egroup \@arrayright \gdef\@preamble
402 \def\array{\col@sep\arraycolsep
403 \def\dollarbegin{$}\let\dollarend\dollarbegin\gdef\@halignto{}}%
404 \@RTLtabfalse\@tabarray}

```

7.9 article-xetex-bidi.def

```

405 \ProvidesFile{article-xetex-bidi.def}[2015/11/14 v0.5 bidi adaptations for standard article class]
406 \if@titlepage
407 \renewcommand\maketitle{\begin{titlepage}%
408 \let\footnotesize\small
409 \let\right@footnoterule\relax
410 \let\left@footnoterule\relax
411 \let\textwidth\footnoterule\relax
412 \let \footnote \thanks
413 \let \LTRfootnote \LTRthanks
414 \let \RTLfootnote \RTLthanks
415 \null\vfil
416 \vskip 60\p@
417 \begin{center}%
418 {\LARGE \@title \par}%
419 \vskip 3em%
420 {\large
421 \lineskip .75em%
422 \begin{tabular}[t]{c}%
423 \@author
424 \end{tabular}\par}%
425 \vskip 1.5em%
426 {\large \@date \par}% % Set date in \large size.
427 \end{center}\par
428 \@thanks
429 \vfil\null
430 \end{titlepage}%
431 \setcounter{footnote}{0}%
432 \global\let\thanks\relax
433 \global\let\LTRthanks\relax
434 \global\let\RTLthanks\relax

```



```

435 \global\let\maketitle\relax
436 \global\let\@thanks\@empty
437 \global\let\@author\@empty
438 \global\let\@date\@empty
439 \global\let\@title\@empty
440 \global\let\title\relax
441 \global\let\author\relax
442 \global\let\date\relax
443 \global\let\and\relax
444 }
445 \else
446 \renewcommand\maketitle{\par
447   \begin{group}
448     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
449     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
450     \long\def\@makefnmark##1{\parindent 1em\noindent
451       \hb@xt@1.8em{%
452         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
453     \if@twocolumn
454       \ifnum \col@number=\@ne
455         \@maketitle
456       \else
457         \twocolumn[\@maketitle]%
458       \fi
459     \else
460       \newpage
461       \global\@topnum\z@    % Prevents figures from going at top of page.
462       \@maketitle
463     \fi
464     \thispagestyle{plain}\@thanks
465   \end{group}
466   \setcounter{footnote}{0}%
467   \global\let\thanks\relax
468   \global\let\LTRthanks\relax
469   \global\let\RTLthanks\relax
470   \global\let\maketitle\relax
471   \global\let\@maketitle\relax
472   \global\let\@thanks\@empty
473   \global\let\@author\@empty
474   \global\let\@date\@empty
475   \global\let\@title\@empty
476   \global\let\title\relax
477   \global\let\author\relax
478   \global\let\date\relax
479   \global\let\and\relax
480 }
481 \def\@maketitle{%
482   \newpage
483   \null
484   \vskip 2em%

```



```

485 \begin{center}%
486 \let \footnote \thanks
487 \let \LTRfootnote \LTRthanks
488 \let \RTLfootnote \RTLthanks
489 {\LARGE \@title \par}%
490 \vskip 1.5em%
491 {\large
492 \lineskip .5em%
493 \begin{tabular}[t]{c}%
494 \@author
495 \end{tabular}\par}%
496 \vskip 1em%
497 {\large \@date}%
498 \end{center}%
499 \par
500 \vskip 1.5em}
501 \fi
502 \renewcommand*\l@part[2]{%
503 \ifnum \c@tocdepth >-2\relax
504 \addpenalty\@secpenalty
505 \addvspace{2.25em \@plus\p@}%
506 \setlength\@tempdima{3em}%
507 \begingroup
508 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
509 \parfillskip -\@pnumwidth
510 {\leavevmode
511 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
512 \nobreak
513 \if@compatibility
514 \global\@nobreaktrue
515 \everypar{\global\@nobreakfalse\everypar{}}%
516 \fi
517 \endgroup
518 \fi}
519 \renewcommand*\l@section[2]{%
520 \ifnum \c@tocdepth >\z@
521 \addpenalty\@secpenalty
522 \addvspace{1.0em \@plus\p@}%
523 \setlength\@tempdima{1.5em}%
524 \begingroup
525 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
526 \parfillskip -\@pnumwidth
527 \leavevmode \bfseries
528 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
529 \hskip -\if@RTL\rightskip\else\leftskip\fi
530 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
531 \endgroup
532 \fi}
533 \renewcommand\left@footnoterule{%
534 \kern-3\p@

```



```

535 \hrule\@width.4\columnwidth
536 \kern2.6\p@}
537 \renewcommand\right@footnoterule{%
538 \kern-3\p@
539 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
540 \kern2.6\p@}
541 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
542 \renewcommand\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
543 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
544 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
545 \def\@part[#1]#2{%
546 \ifnum \c@secnumdepth >\m@ne
547 \refstepcounter{part}%
548 \addcontentsline{toc}{part}{\thepart\hspace{1em}#1}%
549 \else
550 \addcontentsline{toc}{part}{#1}%
551 \fi
552 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
553 \interlinepenalty \@M
554 \normalfont
555 \ifnum \c@secnumdepth >\m@ne
556 \Large\bfseries \partname\nobreakspace\thepart
557 \par\nobreak
558 \fi
559 \huge \bfseries #2%
560 \markboth{}{\par}%
561 \nobreak
562 \vskip 3ex
563 \@afterheading}
564 \renewenvironment{thebibliography}[1]
565 {\section*{\refname}%
566 \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
567 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
568 \list{\@biblabel{\@arabic\c@enumiv}}%
569 {\settowidth\labelwidth{\@biblabel{#1}}%
570 \leftmargin\labelwidth
571 \advance\leftmargin\labelsep
572 \@openbib@code
573 \usecounter{enumiv}%
574 \let\p@enumiv\@empty
575 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
576 \sloppy
577 \clubpenalty4000
578 \@clubpenalty \clubpenalty
579 \widowpenalty4000%
580 \sfcode`\.\@m}
581 {\def\@noitemerr
582 {\@latex@warning{Empty `thebibliography' environment}}%
583 \endlist}
584 \renewenvironment{theindex}

```




```

585         {\if@twocolumn
586           \@restonecolfalse
587         \else
588           \@restonecoltrue
589         \fi
590         \columnseprule \z@
591         \columnsep 35\p@
592         \twocolumn[\section*{\indexname}]%
593         \@mkboth{\MakeUppercase\indexname}%
594                 {\MakeUppercase\indexname}%
595         \thispagestyle{plain}\parindent\z@
596         \parskip\z@ \@plus .3\p@\relax
597         \let\item\@idxitem}
598     {\if@restonecol\onecolumn\else\clearpage\fi}

```

7.10 artikel1-xetex-bidi.def

```

599 \ProvidesFile{artikel1-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for artikel1 class for X
600 \renewenvironment{theindex}{%
601   \if@twocolumn
602     \@restonecolfalse
603   \else
604     \@restonecoltrue
605   \fi
606   \columnseprule \z@
607   \columnsep 35\p@
608   \twocolumn[\section*{\indexname}]%
609   \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
610   \thispagestyle{plain}\parindent\z@
611   \parskip\z@ \@plus .3\p@\relax
612   \let\item\@idxitem
613 }{%
614   \if@restonecol\onecolumn\else\clearpage\fi}
615 \renewcommand*{\head@style}{%
616   \interlinepenalty \@M
617   \hyphenpenalty=\@M \exhyphenpenalty=\@M
618   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
619 \if@titlepage
620   \renewenvironment{abstract}{%
621     \titlepage
622     \null\vfil
623     \section*{\SectFont\abstractname}
624     \noindent\ignorespaces}
625     {\par\vfil\null\endtitlepage}
626 \else
627   \renewenvironment{abstract}{%
628     \if@twocolumn
629       \section*{\abstractname}%
630     \else
631       \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent

```



```

632      \section*{\small\SectFont\abstractname}%
633      \noindent\ignorespaces
634      \fi}
635      {\if@twocolumn\else\par\egroup\fi}
636 \fi
637 \renewcommand*\@regtocline[3]{%
638   \ifnum #1>\c@tocdepth
639   \else
640     \vskip\z@ \@plus.2\p@
641     {\hangindent\z@ \afterindenttrue \interlinepenalty\@M
642      \if@RTL\rightskip\else\leftskip\fi\unitindent
643      \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
644      \parfillskip\z@
645      \@tempdima\unitindent
646      \parindent\z@
647      \leavevmode
648      \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
649      \hskip 1em \nobreak{\slshape #3}\par
650     }%
651   \fi}
652 \if@oldtoc
653 \renewcommand*\l@part[2]{%
654   \ifnum \c@tocdepth >-2\relax
655     \addpenalty\@secpenalty
656     \addvspace{2.25em \@plus\p@}%
657     \begingroup
658       \setlength\@tempdima{3em}%
659       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
660       \parfillskip -\@pnumwidth
661       {\leavevmode
662        \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
663        \nobreak
664        \if@compatibility
665          \global\@nobreaktrue
666          \everypar{\global\@nobreakfalse\everypar{}}%
667        \fi
668      \endgroup
669   \fi}
670 \else
671 \renewcommand*\l@part{%
672   \ifnum \c@tocdepth >-2\relax
673     \addpenalty\@secpenalty
674     \addvspace{2.25em \@plus \p@}%
675     \@regtocline{0}%
676   \fi}
677 \fi
678 \if@oldtoc
679 \renewcommand*\l@section[2]{%
680   \addpenalty\@secpenalty
681   \addvspace{1.0em \@plus\p@}%

```



```

682 \setlength\@tempdima{1.5em}%
683 \beginingroup
684 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
685 \parfillskip -\@pnumwidth
686 \leavevmode \bfseries
687 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
688 \hskip -\if@RTL\rightskip\else\leftskip\fi
689 #1\nobreak\hfil \nobreak\hb\xt@\@pnumwidth{\hss #2}\par
690 \endgroup}
691 \else
692 \renewcommand*\l@section{\@regtocline{1}}
693 \fi
694 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
695 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
696 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
697 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
698 \renewenvironment{thebibliography}[1]
699 {\section{\refname}%
700 \mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
701 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
702 \list{\@biblabel{\@arabic\c@enumiv}}%
703 {\settowidth\labelwidth{\@biblabel{#1}}%
704 \leftmargin\labelwidth
705 \advance\leftmargin\labelsep
706 \openbib@code
707 \usecounter{enumiv}%
708 \let\p@enumiv\@empty
709 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
710 \sloppy\clubpenalty4000\widowpenalty4000%
711 \sfcode`. \m}
712 {\def\@noitemerr
713 {\@latex@warning{Empty `thebibliography' environment}}%
714 \endlist}
715 \renewcommand*\left@footnoterule{%
716 \kern-3\p@
717 \kern.5\baselineskip
718 \hrule\@width\unitindent
719 \kern.4\baselineskip
720 }
721 \renewcommand*\right@footnoterule{%
722 \kern-3\p@
723 \kern.5\baselineskip
724 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
725 \kern.4\baselineskip}
726 \if@titlepage
727 \renewcommand*\TitleFont{\rmfamily}
728 \renewcommand*\maketitle{%
729 \begin{titlepage}%
730 \let\footnotesize\small
731 \let\right@footnoterule\relax

```



```

732 \let\left@footnoterule\relax
733 \let\textwidth@footnoterule\relax
734 \let \footnote \thanks
735 \long\def\@makefnmark##1{\parindent\z@
736   \def\labelitemi{\textendash}\@revlabeltrue
737   \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
738 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
739 \if@compatibility\setcounter{page}{0}\fi
740 \null\vfil
741 \vskip 60\p@
742 \begin{center}%
743   \TitleFont
744   {\LARGE \def\{\{\penalty -\@M}
745     \if@allcaps
746       \expandafter\uc@nothanks\@title\thanks\relax
747     \else
748       \@title
749     \fi\par}%
750   \vskip 3em%
751   {\large
752     \lineskip .75em \parindent\z@
753     \begin{tabular}[t]{c}%
754       \if@allcaps
755         \expandafter\uc@author\@author\and\relax
756       \else
757         \@author
758       \fi
759     \end{tabular}\par}%
760   \vskip 1.5em%
761   {\large
762     \if@allcaps
763       \uppercase\expandafter{\@date}%
764     \else
765       \@date
766     \fi\par}%
767   \end{center}\par
768   \@thanks
769   \vfil\null
770 \end{titlepage}%
771 \setcounter{footnote}{0}%
772 \global\let\thanks\relax
773 \global\let\maketitle\relax
774 \global\let\@thanks\@empty
775 \global\let\@author\@empty
776 \global\let\@title\@empty
777 \global\let\@date\@empty
778 \global\let\title\relax
779 \global\let\author\relax
780 \global\let\date\relax
781 \global\let\and\relax

```



```

782 }
783 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
784 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
785   \futurelet\@tempa\uc@ax}
786 \def\uc@ax{%
787   \ifx\@tempa\relax
788   \else
789     \\\andname \\\expandafter\uc@authornothanks
790   \fi}
791 \def\uc@tx{\ifx\@tempa\relax
792   \else \expandafter\uc@ty \fi}
793 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
794 \else
795 \renewcommand*\maketitle{\par
796   \begingroup
797   \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
798   \def\@makefnmark{\rlap{%
799     \@textsuperscript{\normalfont\@thefnmark}}}%
800   \long\def\@makefntext{\@xmakefntext{%
801     \@textsuperscript{\normalfont\@thefnmark}}}%
802   \if@twocolumn
803     \ifnum \col@number=\@ne
804       \@maketitle
805     \else
806       \twocolumn[\@maketitle]%
807     \fi
808   \else
809     \newpage
810     \global\@topnum\z@
811     \@maketitle
812   \fi
813   \thispagestyle{plain}\@thanks
814 \endgroup
815 \setcounter{footnote}{0}%
816 \global\let\thanks\relax
817 \global\let\maketitle\relax
818 \global\let\@maketitle\relax
819 \global\let\@thanks\@empty
820 \global\let\@author\@empty
821 \global\let\@title\@empty
822 \global\let\@date\@empty
823 \global\let\title\relax
824 \global\let\author\relax
825 \global\let\date\relax
826 \global\let\and\relax
827 }
828 \def\@maketitle{%
829   \newpage
830   \null
831   \vskip 2em%

```



```

832 \begin{center}%
833 \let \footnote \thanks
834 {\LARGE \TitleFont \@title \par}%
835 \vskip 1.5em%
836 {\large \TitleFont
837 \lineskip .5em%
838 \begin{tabular}[t]{c}%
839 \@author
840 \end{tabular}\par}%
841 \vskip 1em%
842 {\large \TitleFont \@date}%
843 \end{center}}%
844 \par
845 \vskip 1.5em}
846 \fi

```

7.11 artikel2-xetex-bidi.def

```

847 \ProvidesFile{artikel2-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for artikel2 class for X
848 \renewenvironment{theindex}{%
849 \if@twocolumn
850 \@restonecolfalse
851 \else
852 \@restonecoltrue
853 \fi
854 \columnseprule \z@
855 \columnsep 35\p@
856 \twocolumn[\section*{\indexname}]{%
857 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}}%
858 \thispagestyle{plain}\parindent\z@
859 \parskip\z@ \@plus .3\p@\relax
860 \let\item\@idxitem
861 }{%
862 \if@restonecol\onecolumn\else\clearpage\fi}
863 \renewcommand*\@regtocline[3]{%
864 \ifnum #1>\c@tocdepth
865 \else
866 \vskip\z@ \@plus .2\p@
867 {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
868 \if@RTL\righskip\else\leftskip\fi\unitindent
869 \if@RTL\leftskip\else\righskip\fi\unitindent\@plus 1fil
870 \parfillskip\z@
871 \@tempdima\unitindent
872 \advance\@tempdima by \othermargin
873 \parindent\z@
874 \leavevmode
875 \hbox{} \hskip -\if@RTL\righskip\else\leftskip\fi\relax#2\nobreak
876 \hskip 1em \nobreak{\slshape #3}\par
877 }%
878 \fi}

```



```

879 \if@oldtoc
880 \renewcommand*\l@section[2]{%
881     \addpenalty\@secpenalty
882     \addvspace{1.0em \@plus\p@}%
883     \setlength\@tempdima{1.5em}%
884     \begingroup
885     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
886     \parfillskip -\@pnumwidth
887     \leavevmode \bfseries
888     \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
889     \hskip -\if@RTL\rightskip\else\leftskip\fi
890     #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
891     \endgroup}
892 \else
893 \renewcommand*\l@section{\@regtocline{1}}
894 \fi
895 \if@oldtoc
896 \renewcommand*\l@part[2]{%
897     \ifnum \c@tocdepth >-2\relax
898     \addpenalty\@secpenalty
899     \addvspace{2.25em \@plus\p@}%
900     \begingroup
901     \setlength\@tempdima{3em}%
902     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
903     \parfillskip -\@pnumwidth
904     {\leavevmode
905     \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
906     \nobreak
907     \if@compatibility
908     \global\@nobreaktrue
909     \everypar{\global\@nobreakfalse\everypar{}}%
910     \fi
911     \endgroup
912 \fi}
913 \else
914 \renewcommand*\l@part{%
915     \ifnum \c@tocdepth >-2\relax
916     \addpenalty\@secpenalty
917     \addvspace{2.25em \@plus \p@}%
918     \@regtocline{0}%
919     \fi}
920 \fi
921 \renewcommand*\head@style{%
922     \interlinepenalty \@M
923     \hyphenpenalty=\@M \exhyphenpenalty=\@M
924     \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
925 \if@titlepage
926 \renewenvironment{abstract}{%
927     \titlepage
928     \null\vfil

```



```

929 \section*{\SectFont\abstractname}%
930 \noindent\ignorespaces}
931 {\par\vfil\null\endtitlepage}
932 \else
933 \renewenvironment{abstract}{%
934 \if@twocolumn
935 \section*{\abstractname}%
936 \else
937 \section*{\hskip\unitindent\small\SectFont\abstractname}%
938 \list*{\setlength\listparindent{\unitindent}%
939 \setlength\parindent{\z@}%
940 \setlength\leftmargin{\unitindent}%
941 \setlength\rightmargin{\unitindent}%
942 \setlength\parsep{\z@}}%
943 \item[]%
944 \fi}
945 {\if@twocolumn\else\par\endlist\fi}
946 \fi
947 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
948 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
949 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
950 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
951 \renewcommand*\left@footnoterule{%
952 \kern-3\p@
953 \hrule\@width 3\unitindent
954 \kern 2.6\p@
955 }
956 \renewcommand*\right@footnoterule{%
957 \kern-3\p@
958 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-3\unitindent\relax \hrulefill }
959 \kern 2.6\p@}
960 \renewenvironment{thebibliography}[1]
961 {\section*{\refname}%
962 \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
963 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
964 \list*{\@biblabel{\@arabic\c@enumiv}}%
965 {\settowidth\labelwidth{\@biblabel{#1}}%
966 \leftmargin\labelwidth
967 \advance\leftmargin\labelsep
968 \@openbib@code
969 \usecounter{enumiv}%
970 \let\p@enumiv\@empty
971 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
972 \sloppy\clubpenalty4000\widowpenalty4000%
973 \sfcode`\.\@m}
974 {\def\@noitemerr
975 {\@latex@warning{Empty `thebibliography' environment}}%
976 \endlist}
977 \if@titlepage
978 \renewcommand*\TitleFont{\rmfamily}

```




```

979 \renewcommand*\maketitle{%
980   \begin{titlepage}%
981     \let\footnotesize\small
982     \let\right@footnoterule\relax
983     \let\left@footnoterule\relax
984     \let\textwidth@footnoterule\relax
985     \let \footnote \thanks
986     \long\def\@makefnmark##1{\parindent\z@
987       \def\labelitemi{\textendash}\@revlabeltrue
988       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
989     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
990     \if@compatibility\setcounter{page}{0}\fi
991     \null\vfil
992     \vskip 60\p@
993     \begin{center}%
994       \TitleFont
995       {\LARGE \def\\{\penalty -\@M}
996         \if@allcaps
997           \expandafter\uc@nothanks\@title\thanks\relax
998         \else
999           \@title
1000         \fi\par}%
1001       \vskip 3em%
1002       {\large
1003         \lineskip .75em \parindent\z@
1004         \begin{tabular}[t]{c}%
1005           \if@allcaps
1006             \expandafter\uc@authornothanks\@author\and\relax
1007           \else
1008             \@author
1009           \fi
1010         \end{tabular}\par}%
1011       \vskip 1.5em%
1012       {\large
1013         \if@allcaps
1014           \uppercase\expandafter{\@date}%
1015         \else
1016           \@date
1017         \fi\par}%
1018       \end{center}\par
1019     \@thanks
1020     \vfil\null
1021   \end{titlepage}%
1022   \setcounter{footnote}{0}%
1023   \global\let\thanks\relax
1024   \global\let\maketitle\relax
1025   \global\let\@thanks\@empty
1026   \global\let\@author\@empty
1027   \global\let\@title\@empty
1028   \global\let\@date\@empty

```



```

1029 \global\let\title\relax
1030 \global\let\author\relax
1031 \global\let\date\relax
1032 \global\let\and\relax
1033 }
1034 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
1035 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
1036 \futurelet\@tempa\uc@ax}
1037 \def\uc@ax{%
1038 \ifx\@tempa\relax
1039 \else
1040 \\\andname \\\expandafter\uc@authornothanks
1041 \fi}
1042 \def\uc@tx{\ifx\@tempa\relax
1043 \else \expandafter\uc@ty \fi}
1044 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
1045 \else
1046 \renewcommand*\maketitle{\par
1047 \begingroup
1048 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1049 \long\def\@makefnintext##1{\parindent\z@
1050 \def\labelitemi{\textendash}%
1051 \leavevmode\hb@xt@.5\unitindent{%
1052 \@textsuperscript{\normalfont\@thefnmark}\hfil}##1}
1053 \if@twocolumn
1054 \ifnum \col@number=\@ne
1055 \@maketitle
1056 \else
1057 \twocolumn[\@maketitle]%
1058 \fi
1059 \else
1060 \newpage
1061 \global\@topnum\z@
1062 \@maketitle
1063 \fi
1064 \thispagestyle{plain}\@thanks
1065 \endgroup
1066 \setcounter{footnote}{0}%
1067 \global\let\thanks\relax
1068 \global\let\maketitle\relax
1069 \global\let\@maketitle\relax
1070 \global\let\@thanks\@empty
1071 \global\let\@author\@empty
1072 \global\let\@title\@empty
1073 \global\let\@date\@empty
1074 \global\let\title\relax
1075 \global\let\author\relax
1076 \global\let\date\relax
1077 \global\let\and\relax
1078 }

```



```

1079 \def\@maketitle{%
1080   \newpage
1081   \null
1082   \vskip 2em%
1083   \begin{center}%
1084     \let \footnote \thanks
1085     {\LARGE \TitleFont \@title \par}%
1086     \vskip 1.5em%
1087     {\large \TitleFont
1088       \lineskip .5em%
1089       \begin{tabular}[t]{c}%
1090         \@author
1091         \end{tabular}\par}%
1092     \vskip 1em%
1093     {\large \TitleFont \@date}%
1094   \end{center}%
1095   \par
1096   \vskip 1.5em}
1097 \fi

```

7.12 artikel3-xetex-bidi.def

```

1098 \ProvidesFile{artikel3-xetex-bidi.def}[2015/11/14 v0.4 bidi adaptations for artikel3 class for X
1099 \renewenvironment{theindex}{%
1100   \if@twocolumn
1101     \@restonecolfalse
1102   \else
1103     \@restonecoltrue
1104   \fi
1105   \columnseprule \z@
1106   \columnsep 35\p@
1107   \twocolumn[\section*{\indexname}]%
1108   \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}}%
1109   \thispagestyle{plain}\parindent\z@
1110   \parskip\z@ \@plus .3\p@\relax
1111   \let\item\@idxitem
1112   }{%
1113   \if@restonecol\onecolumn\else\clearpage\fi}
1114 \renewcommand*{\head@style}{%
1115   \interlinepenalty \@M
1116   \hyphenpenalty=\@M \exhyphenpenalty=\@M
1117   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
1118 \renewcommand*{\@regtocline}[3]{%
1119   \ifnum #1>\c@tocdepth
1120   \else
1121     \vskip\z@ \@plus .2\p@
1122     {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
1123       \if@RTL\rightskip\else\leftskip\fi\unitindent
1124       \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
1125       \parfillskip\z@

```



```

1126 \@tempdima\unitindent
1127 \parindent\z@
1128 \leavevmode
1129 \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
1130 \hskip 1em \nobreak{\slshape #3}\par
1131 }%
1132 \fi}
1133 \if@oldtoc
1134 \renewcommand*\l@part[2]{%
1135 \ifnum \c@tocdepth >-2\relax
1136 \addpenalty\@secpenalty
1137 \addvspace{2.25em \@plus\p@}%
1138 \begingroup
1139 \setlength\@tempdima{3em}%
1140 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
1141 \parfillskip -\@pnumwidth
1142 {\leavevmode
1143 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
1144 \nobreak
1145 \if@compatibility
1146 \global\@nobreaktrue
1147 \everypar{\global\@nobreakfalse\everypar{}}%
1148 \fi
1149 \endgroup
1150 \fi}
1151 \else
1152 \renewcommand*\l@part{%
1153 \ifnum \c@tocdepth >-2\relax
1154 \addpenalty\@secpenalty
1155 \addvspace{2.25em \@plus \p@}%
1156 \@regtocline{0}%
1157 \fi}
1158 \fi
1159
1160 \if@oldtoc
1161 \renewcommand*\l@section[2]{%
1162 \addpenalty\@secpenalty
1163 \addvspace{1.0em \@plus\p@}%
1164 \setlength\@tempdima{1.5em}%
1165 \begingroup
1166 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
1167 \parfillskip -\@pnumwidth
1168 \leavevmode \bfseries
1169 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
1170 \hskip -\if@RTL\rightskip\else\leftskip\fi
1171 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
1172 \endgroup}
1173 \else
1174 \renewcommand*\l@section{\@regtocline{1}}
1175 \fi

```



```

1176 \if@titlepage
1177   \renewenvironment{abstract}{%
1178     \titlepage
1179     \null\vfil
1180     \section*{\SectFont\abstractname}%
1181     \noindent\ignorespaces}
1182   {\par\vfil\null\endtitlepage}
1183 \else
1184   \renewenvironment{abstract}{%
1185     \if@twocolumn
1186       \section*{\abstractname}%
1187     \else
1188       \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
1189       \section*{\small\SectFont\abstractname}%
1190       \noindent\ignorespaces
1191     \fi}
1192   {\if@twocolumn\else\par\egroup\fi}
1193 \fi
1194 \renewcommand*\left@footnoterule{%
1195   \kern-3\p@
1196   \kern.5\baselineskip
1197   \hrule\@width\unitindent
1198   \kern.4\baselineskip
1199 }
1200 \renewcommand*\right@footnoterule{%
1201   \kern-3\p@
1202   \kern.5\baselineskip
1203   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
1204   \kern.4\baselineskip}
1205 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
1206 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
1207 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
1208 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
1209 \renewenvironment{thebibliography}[1]
1210   {\section*{\refname}%
1211     \mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
1212     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
1213     \list{\@biblabel{\@arabic\c@enumiv}}%
1214       {\settowidth\labelwidth{\@biblabel{#1}}%
1215        \leftmargin\labelwidth
1216        \advance\leftmargin\labelsep
1217        \@openbib@code
1218        \usecounter{enumiv}%
1219        \let\p@enumiv\@empty
1220        \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
1221     \sloppy\clubpenalty4000\widowpenalty4000%
1222     \sfcode`\.\@m}
1223   {\def\@noitemerr
1224     {\@latex@warning{Empty `thebibliography' environment}}%
1225     \endlist}

```



```

1226 \if@titlepage
1227 \renewcommand*\TitleFont{\rmfamily}
1228 \renewcommand*\maketitle{%
1229   \begin{titlepage}%
1230     \let\footnotesize\small
1231     \let\right@footnoterule\relax
1232     \let\left@footnoterule\relax
1233     \let\textwidth@footnoterule\relax
1234     \let \footnote \thanks
1235     \long\def\@makefnmark##1{\parindent\z@
1236       \def\labelitemi{\textendash}\@revlabeltrue
1237       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
1238     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1239     \ifcompatibility\setcounter{page}{0}\fi
1240     \null\vfil
1241     \vskip 60\p@
1242     \begin{center}%
1243       \TitleFont
1244       {\LARGE \def\{\{\penalty -\@M}
1245         \if@allcaps
1246           \expandafter\uc@nothanks\@title\thanks\relax
1247         \else
1248           \@title
1249         \fi\par}%
1250       \vskip 3em%
1251       {\large
1252         \lineskip .75em \parindent\z@
1253         \begin{tabular}[t]{c}%
1254           \if@allcaps
1255             \expandafter\uc@authornothanks\@author\and\relax
1256           \else
1257             \@author
1258           \fi
1259         \end{tabular}\par}%
1260       \vskip 1.5em%
1261       {\large
1262         \if@allcaps
1263           \uppercase\expandafter{\@date}%
1264         \else
1265           \@date
1266         \fi\par}%
1267       \end{center}\par
1268       \@thanks
1269       \vfil\null
1270     \end{titlepage}%
1271     \setcounter{footnote}{0}%
1272     \global\let\thanks\relax
1273     \global\let\maketitle\relax
1274     \global\let\@thanks\@empty
1275     \global\let\@author\@empty

```



```

1276 \global\let\@title\@empty
1277 \global\let\@date\@empty
1278 \global\let\title\relax
1279 \global\let\author\relax
1280 \global\let\date\relax
1281 \global\let\and\relax
1282 }
1283 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
1284 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
1285 \futurelet\@tempa\uc@ax}
1286 \def\uc@ax{%
1287 \ifx\@tempa\relax
1288 \else
1289 \\\andname \\\expandafter\uc@authornothanks
1290 \fi}
1291 \def\uc@tx{\ifx\@tempa\relax
1292 \else \expandafter\uc@ty \fi}
1293 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
1294 \else
1295 \renewcommand*\maketitle{\par
1296 \begingroup
1297 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1298 \def\@makefnmark{\rlap{%
1299 \@textsuperscript{\normalfont\@thefnmark}}}%
1300 \long\def\@makefntext{\@xmakefntext{%
1301 \@textsuperscript{\normalfont\@thefnmark}}}%
1302 \if@twocolumn
1303 \ifnum \col@number=\@one
1304 \@maketitle
1305 \else
1306 \twocolumn[\@maketitle]%
1307 \fi
1308 \else
1309 \newpage
1310 \global\@topnum\z@
1311 \@maketitle
1312 \fi
1313 \thispagestyle{plain}\@thanks
1314 \endgroup
1315 \setcounter{footnote}{0}%
1316 \global\let\thanks\relax
1317 \global\let\maketitle\relax
1318 \global\let\@maketitle\relax
1319 \global\let\@thanks\@empty
1320 \global\let\@author\@empty
1321 \global\let\@title\@empty
1322 \global\let\@date\@empty
1323 \global\let\title\relax
1324 \global\let\author\relax
1325 \global\let\date\relax

```



```

1326 \global\let\and\relax
1327 }
1328 \def\@maketitle{%
1329 \newpage
1330 \null
1331 \vskip 2em%
1332 \if@titlecentered
1333 \begin{center}%
1334 \let \footnote \thanks
1335 {\LARGE \TitleFont \@title \par}%
1336 \vskip 1.5em%
1337 {\large \TitleFont
1338 \lineskip .5em%
1339 \begin{tabular}[t]{c}%
1340 \@author
1341 \end{tabular}\par}%
1342 \vskip 1em%
1343 {\large \TitleFont \@date}%
1344 \end{center}%
1345 \else
1346 {\LARGE \TitleFont \headstyle \@title \par} \vskip 1.5em
1347 {\large \TitleFont \lineskip .5em \tabcolsep\z@
1348 \def\and{%% \begin{tabular} has already started
1349 \end{tabular}\hskip 1em plus .17fil
1350 \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi}% \end{tabular} will
1351 \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi\@author\end{tabular}\par}
1352 \vskip 1em {\large \TitleFont \@date}
1353 \fi
1354 \par
1355 \vskip 1.5em}
1356 \fi

```

7.13 arydshln-xetex-bidi.def

```

1357 \ProvidesFile{arydshln-xetex-bidi.def}[2010/08/01 v0.2 bidi adaptations for arydshln package for
1358 \def\endarray{\adl@endarray \egroup \adl@arrayrestore \if@RTLtab\egroup\endR\egroup\fi\egroup}
1359 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup\@RTLtabfalse}
1360 \expandafter\let\csname endtabular*\endcsname\endtabular
1361 \let\adl@array\@array
1362 \def\@array{\adl@everyvbox\everyvbox
1363 \everyvbox{\adl@arrayinit \the\adl@everyvbox \everyvbox\adl@everyvbox}%
1364 \ifadl@inactive \adl@inactivate \else \adl@activate \fi
1365 \let\adl@noalign\noalign
1366 \adl@array}
1367 \ifadl@usingarypkg
1368 \def\@testpach{\@chclass
1369 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
1370 \ifnum \@lastchclass=7 5 \else
1371 \ifnum \@lastchclass=8 \tw@ \else
1372 \ifnum \@lastchclass=9 \thr@@

```




```

1373 \else \z@
1374 \ifnum \@lastchclass = 10 \else
1375 \edef\@nextchar{\expandafter\string\@nextchar}%
1376 \@chnum
1377 \if \@nextchar c\z@ \else
1378 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
1379 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
1380 \z@ \@chclass
1381 \if \@nextchar \\\@ne \let\@arrayrule\adl@arrayrule \else
1382 \if \@nextchar :\@ne \let\@arrayrule\adl@arraydashrule \else
1383 \if \@nextchar ;\@ne \let\@arrayrule\adl@argarraydashrule \else
1384 \if \@nextchar !6 \else
1385 \if \@nextchar @7 \else
1386 \if \@nextchar <8 \else
1387 \if \@nextchar >9 \else
1388 10
1389 \@chnum
1390 \if \@nextchar m\thr@@\else
1391 \if \@nextchar p4 \else
1392 \if \@nextchar b5 \else
1393 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi
1394 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}
1395
1396 \def\@classz{\@classx
1397 \@tempcnta \count@
1398 \prepnext@tok
1399 \@addtopreamble{\ifcase \@chnum
1400 \hfil
1401 \adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
1402 \hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
1403 \hfil\hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\or
1404 \setbox\adl@box\hbox \adl@startmbox{\@nextchar}\insert@column
1405 \adl@endmbox\or
1406 \setbox\adl@box\vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
1407 \setbox\adl@box\vbox \@startpbox{\@nextchar}\insert@column \@endpbox
1408 \fi}\prepnext@tok}
1409 \def\adl@class@start{4}
1410 \def\adl@class@iiiorvii{7}
1411
1412 \else
1413 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4\relax \else
1414 \ifnum \@lastchclass=\thr@@ 5\relax \else
1415 \z@ \if #1c\@chnum \z@ \else
1416 \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
1417 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
1418 \@chclass
1419 \if #1|\@ne \let\@arrayrule\adl@arrayrule \else
1420 \if #1:\@ne \let\@arrayrule\adl@arraydashrule \else
1421 \if #1;\@ne \let\@arrayrule\adl@argarraydashrule \else
1422 \if #1@\tw@ \else

```



```

1423             \if #1p\thr@@ \else \z@ \@preamerr 0\fi
1424         \fi \fi \fi \fi \fi \fi \fi \fi \fi}
1425
1426 \def\@arrayclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
1427             \or \or \@addamp \or
1428             \@acolampacol \or \@firststampfalse \@acol \fi
1429     \edef\@preamble{\@preamble
1430         \ifcase \@chnum
1431             \hfil\adl@putlrc{\$ \relax \@sharp$}\hfil
1432             \or \adl@putlrc{\$ \relax \@sharp$}\hfil
1433             \or \hfil\adl@putlrc{\$ \relax \@sharp$}\fi}}
1434 \def\@tabclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
1435             \or \or \@addamp \or
1436             \@acolampacol \or \@firststampfalse \@acol \fi
1437     \edef\@preamble{\@preamble
1438         \ifcase \@chnum
1439             \hfil\adl@putlrc{\@sharp\unskip}\hfil
1440             \or \adl@putlrc{\@sharp\unskip}\hfil
1441             \or \hfil\hskip\z@ \adl@putlrc{\@sharp\unskip}\fi}}
1442 \def\adl@class@start{6}
1443 \def\adl@class@iiiorvii{3}
1444 \fi
1445 \@ifpackageloaded{colortbl}{%
1446 \def\adl@inactivate{\adl@org@inactivate \let\CT@setup\adl@CT@setup}
1447 \def\adl@activate{\adl@org@activate \let\CT@setup\adl@act@CT@setup
1448     \let\@endpbox\adl@org@endpbox}
1449 \let\adl@CT@setup\CT@setup
1450 \def\CT@setup{\adl@CT@setup
1451     \@tempdima\ht\z@ \advance\@tempdima\minrowclearance
1452     \ifdim\adl@height<\@tempdima \global\adl@height\@tempdima \fi
1453     \ifdim\adl@depth<\dp\z@ \global\adl@depth\dp\z@\fi}
1454 \let\adl@act@CT@setup\CT@setup
1455 \def\@classz{\@classx
1456     \@tempcnta\count@ \prepnext@tok
1457     \expandafter\CT@extract\the\toks\@tempcnta\columncolor!\@nil
1458     \expandafter\adl@extract@arc\the\toks\@tempcnta\arrayrulecolor!\@nil
1459     \expandafter\adl@extract@drsc
1460     \the\toks\@tempcnta\doublerulesepcolor!\@nil
1461     \expandafter\adl@extract@dgc\the\toks\@tempcnta\dashgapcolor!\@nil
1462     \@addtopreamble{\if@RTL\beginL\fi%
1463         \setbox\z@\hbox\bgroup\bgroup\if@RTL\beginR\fi
1464         \ifcase \@chnum
1465             \hskip\stretch{.5}\kern\z@
1466             \d@llarbegin
1467             \insert@column
1468             \d@llarend\hskip\stretch{.5}%
1469             \or \d@llarbegin \insert@column \d@llarend \hfill
1470             \or \hfill \kern\z@ \d@llarbegin \insert@column \d@llarend
1471             \or $\vcenter
1472             \@startpbox{\@nextchar}\insert@column \@endpbox $%

```



```

1473         \or \vtop \@startpbox{\@nextchar}\insert@column \@endpbox
1474         \or \vbox \@startpbox{\@nextchar}\insert@column \@endpbox
1475         \fi
1476         \if@RTL\endR\fi\egroup\egroup
1477         \begingroup
1478             \CT@setup
1479             \CT@column@color
1480             \CT@row@color
1481             \CT@cell@color
1482             \CT@do@color
1483         \endgroup
1484         \@tempdima\ht\z@
1485         \advance\@tempdima\minrowclearance
1486         \vrule\@height\@tempdima\@width\z@
1487         \unhbox\z@\if@RTL\endL\fi}%
1488     \prepnext@tok}
1489 \let\adl@act@classz\@classz
1490 \let\adl@org@classz\@classz
1491 }{}

```

7.14 bidi.sty

```

1492 \NeedsTeXFormat{LaTeX2e}
1493 \def\bididate{2015/11/14}
1494 \def\bidiversion{v18.5}
1495 \ProvidesPackage{bidi}[\bididate\space \bidiversion\space
1496 Bidirectional typesetting in plain TeX and LaTeX]
1497 \edef\@bidi@info{*****~J%
1498 * ~J%
1499 * bidi package (Bidirectional typesetting in~J%
1500 * plain TeX and LaTeX, using XeTeX engine)~J%
1501 * ~J%
1502 * Description: A convenient interface for~J%
1503 * typesetting bidirectional texts in plain TeX~J%
1504 * and LaTeX. The package includes adaptations~J%
1505 * for use with many other commonly-used packages.~J%
1506 * ~J%
1507 * Copyright (c) 2009--2015 Vafa Khalighi~J%
1508 * ~J%
1509 * \bididate, \bidiversion~J%
1510 * ~J%
1511 * License: LaTeX Project Public License, version~J%
1512 * 1.3c or higher (your choice)~J%
1513 * ~J%
1514 * Location on CTAN: /macros/xetex/latex/bidi~J%
1515 * ~J%
1516 * Issue tracker: https://github.com/persian-tex/bidi/issues~J%
1517 * ~J%
1518 * Support: persian-tex@tug.org~J%
1519 *****}

```



```

1520 \typeout{\@bidi@info}
1521 \edef\bidi@everyjob{\the\everyjob}
1522 \everyjob{\bidi@everyjob\typeout{\@bidi@info}}
1523 \RequirePackage{iftex}
1524 \RequireXeTeX
1525 \RequirePackage{biditools}
1526 \RequirePackage{zref-abspage}
1527 \RequirePackage{auxhook}
1528 \RequirePackage{ltxcmds}
1529 \RequirePackage{xkeyval}
1530 \eqnewif{\if@RTLmain}{\if@rlmain}
1531 \eqnewif{\if@RTL}{\if@rl}
1532 \newif\if@Latin
1533 \eqnewif{\if@RTLtab}{\if@tab@rl}
1534 \newif\if@RTLMarginpar
1535 \newif\if@LTRmarginpar
1536 \newif\if@LTRbibitems
1537 \newif\if@RTLbibitems
1538 \newif\if@extrafootnotefeatures
1539 \newif\if@parafootRTL
1540 \newif\if@RTLcolumnfootnotes
1541 \eqnewif{\if@RTL@footnote}{\if@rl@footnote}
1542 \newif\if@bidi@list@minipage@parbox
1543 \newif\if@bidi@list@minipage@parbox@not@nob
1544 \@RTLmainfalse
1545 \AtBeginDocument{%
1546   \if@RTLmain\else
1547     \if@RTL\@RTLmaintrue%
1548     \else\@RTLmainfalse%
1549     \fi%
1550   \fi%
1551 }
1552 \let\n@xt=\
1553 \bidi@newrobustcmd*{\LRE}{\protect\pLRE}%
1554 \def\pLRE{\protect\afterassignment\moreLRE \let\n@xt= }
1555 \bidi@newrobustcmd*{\RLE}{\protect\pRLE}
1556 \def\pRLE{\protect\afterassignment\moreRLE \let\n@xt= }
1557 \def\bracetext{\ifcat\n@xt{\else\ifcat\n@xt}\fi
1558   \errmessage{Missing left brace has been substituted}\fi \bgroup}
1559 \input{latex-xetex-bidi.def}
1560 \input{loadingorder-xetex-bidi.def}
1561 \define@choicekey{bidi.sty}{RTLdocument}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1562   \ifcase\bidi@tempb\relax
1563     \@RTLtrue
1564   \or
1565     \@RTLfalse
1566   \fi}
1567 \define@choicekey{bidi.sty}{rldocument}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1568   \ifcase\bidi@tempb\relax
1569     \@RTLtrue

```



```

1570 \or
1571 \RTLfalse
1572 \fi}
1573 \define@choicekey{bidi.sty}{footnoterule}[\bidi@tempa\bidi@tempb]{automatic,left,right,split,
1574 \ifcase\bidi@tempb\relax
1575 \autofootnoterule
1576 \or
1577 \leftfootnoterule
1578 \or
1579 \rightfootnoterule
1580 \or
1581 \SplitFootnoteRule
1582 \or
1583 \textwidthfootnoterule
1584 \fi}
1585 \define@choicekey{bidi.sty}{footnotedirection}[\bidi@tempa\bidi@tempb]{righttoleft,lefttorigh
1586 \ifcase\bidi@tempb\relax
1587 \RTL@footnotetrue
1588 \or
1589 \RTL@footnotefalse
1590 \fi}
1591 \define@choicekey{bidi.sty}{debugfootnotedirection}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1592 \ifcase\bidi@tempb\relax
1593 \footdir@debugtrue
1594 \or
1595 \footdir@debugfalse
1596 \fi}
1597 \define@choicekey{bidi.sty}{extrafootnotefeatures}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1598 \ifcase\bidi@tempb\relax
1599 \@extrafootnotefeaturestrue
1600 \or
1601 \@extrafootnotefeaturesfalse
1602 \fi}
1603
1604 \ProcessOptionsX
1605
1606 \if@extrafootnotefeatures
1607 \input{extrafootnotefeatures-xetex-bidi.def}
1608 \fi

```

7.15 bidi.tex

```

1609 \def\biddate{2015/10/16}
1610 \def\bidiversion{v0.3}
1611 \catcode`\@=11
1612 \let \protect \relax
1613 \newlinechar`^^J
1614 \edef\@bidi@info{*****~^J%
1615 * ~^J%
1616 * bidi package (Bidirectional typesetting in~^J%

```



```

1617 * plain TeX and LaTeX, using XeTeX engine)^^J%
1618 * ^^J%
1619 * Description: A convenient interface for^^J%
1620 * typesetting bidirectional texts in plain TeX^^J%
1621 * and LaTeX. The package includes adaptations^^J%
1622 * for use with many other commonly-used packages.^^J%
1623 * ^^J%
1624 * Copyright (c) 2009--2015 Vafa Khalighi^^J%
1625 * ^^J%
1626 * \bididate, \bidiversion^^J%
1627 * ^^J%
1628 * License: LaTeX Project Public License, version^^J%
1629 * 1.3c or higher (your choice)^^J%
1630 * ^^J%
1631 * Location on CTAN: /macros/xetex/latex/bidi^^J%
1632 * ^^J%
1633 * Issue tracker: https://github.com/persian-tex/bidi/issues^^J%
1634 * ^^J%
1635 * Support: persian-tex@tug.org^^J%
1636 *****}
1637 \message{\@bidi@info}
1638 \edef\bidi@everyjob{\the\everyjob}
1639 \everyjob{\bidi@everyjob\message{\@bidi@info}}
1640 \input iftex.sty
1641 \RequireXeTeX
1642 \newif\if@RTLmain
1643 \newif\if@RTL
1644 \newif\if@sentedir
1645 \newif\if@RTL@footnote
1646 \@RTLmainfalse
1647 \def\setRTLmain{%
1648   \if@RTLmain\else
1649     \if@RTL\@RTLmaintrue%
1650     \else\@RTLmainfalse%
1651     \fi%
1652   \fi%
1653 }
1654 \let\n@xt=\
1655 \protected\def\LRE{\protect\pLRE}%
1656 \def\pLRE{\protect\afterassignment\moreLRE \let\n@xt= }
1657 \protected\def\RLE{\protect\pRLE}
1658 \def\pRLE{\protect\afterassignment\moreRLE \let\n@xt= }
1659 \def\bracetext{\ifcat\n@xt{\else\ifcat\n@xt}\fi
1660   \errmessage{Missing left brace has been substituted}\fi \bgroup}
1661 \input plain-xetex-bidi.def
1662 \catcode`\@=12

```

7.16 bidi2in1.sty

```

1663 \NeedsTeXFormat{LaTeX2e}

```



```

1664 \ProvidesPackage{bidi2in1}
1665 \pagestyle{plain}
1666 \newcount\evenpage
1667 \newcount\oddpge
1668 \twocolumn
1669 \def\@oddfoot{\evenpage=\thepage%
1670 \multiply\evenpage by 2%
1671 \oddpge=\the\evenpage%
1672 \advance\oddpge by -1%
1673 \hfil\the\evenpage\hfil\hfil\the\oddpge\hfil}%
1674 \def\@evenfoot{\evenpage=\thepage%
1675 \multiply\evenpage by 2%
1676 \oddpge=\the\evenpage%
1677 \advance\oddpge by -1%
1678 \hfil\the\oddpge\hfil\hfil\the\evenpage\hfil}%
1679 \textwidth 9.49in
1680 \textheight 6.7in
1681 \columnsep 0.9in
1682 \columnseprule 0.125pt
1683 \headheight 0cm
1684 \topmargin 0in
1685 \marginparwidth 0in
1686 \marginparsep 0in
1687 \hoffset 0.05in % Corrected
1688 \voffset -0.5in %top margin space is 1.0in by default
1689 \oddsidemargin 0in
1690 \evensidemargin 0in
1691 \headsep 0cm
1692 \topskip 0cm
1693 \parskip 0.15in %
1694 \headsep 0pt
1695 \special{papersize=11.69in,8.26in}
1696 \renewcommand\maketitle{\par
1697 \begingroup
1698 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
1699 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
1700 \long\def\@makefntext##1{\parindent 1em\noindent
1701 \hb@xt@1.8em{%
1702 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
1703 \maketitle
1704 \thanks
1705 \endgroup
1706 \setcounter{footnote}{0}%
1707 \global\let\thanks\relax
1708 \global\let\maketitle\relax
1709 \global\let\@maketitle\relax
1710 \global\let\@thanks\empty
1711 \global\let\@author\empty
1712 \global\let\@date\empty
1713 \global\let\@title\empty

```



```

1714 \global\let\title\relax
1715 \global\let\author\relax
1716 \global\let\date\relax
1717 \global\let\and\relax
1718 }

```

7.17 bidicode.sty

```

1719 \NeedsTeXFormat{LaTeX2e}
1720 \ProvidesPackage{bidicode}
1721 \RequirePackage{xcolor}
1722 \RequirePackage{showexpl}
1723 \definecolor{hellgelb}{rgb}{1,1,0.85}
1724 \definecolor{colKeys}{rgb}{0,0,1}
1725 \definecolor{colIdentifier}{rgb}{0,0,0}
1726 \definecolor{colComments}{rgb}{1,0,0}
1727 \definecolor{colString}{rgb}{0,0.5,0}
1728 \lstset{
1729     language=[LaTeX]TEX,
1730     float=hbp,
1731     basicstyle=\ttfamily\small,
1732     identifierstyle=\color{colIdentifier},
1733     keywordstyle=\color{colKeys},
1734     stringstyle=\color{colString},
1735     commentstyle=\color{colComments},
1736     columns=flexible,
1737     tabsize=4,
1738     gobble =1,
1739     extendedchars=true,
1740     showspaces=false,
1741     showstringspaces=false,
1742     numbers=left,
1743     numbersep=0.9em,
1744     numberstyle=\tiny, %
1745     frame=single,
1746     captionpos=b,
1747     xleftmargin=1em,
1748     breaklines=true,
1749     breakautoindent=false,
1750     breakindent=0pt,
1751     escapeinside=**,
1752     pos=r,
1753     explpreset={%
1754     xleftmargin=1em,columns=flexible,language=[LaTeX]TEX},
1755     morekeywords={setLTR,setLR,setRTL,setRL,LRE,LR,RLE,RL,lr,bidiversion,bididate}
1756 }
1757 \newcommand\HLON{%
1758     \gdef\lst@alloverstyle##1{%
1759         \fboxrule=0pt
1760         \fboxsep=0pt

```




```

1761 \fcolorbox{hellgelb}{hellgelb}{\bfseries\strut##1}%
1762 }}
1763 \newcommand\HLOFF{%
1764 \xdef\lst@alloverstyle##1{##1}%
1765 }
1766 \newcommand\Larg [1]{\normalfont\itshape#1\/\}
1767 \newcommand\Larga[1]{\langle$\Larg{#1}$\rangle$}
1768 \newcommand\Largb[1]{\lcb\Larg{#1}\rcb}
1769 \newcommand\Largs[1]{\lsb\Larg{#1}\rsb}
1770 \newcommand\Largr[1]{\lrb\Larg{#1}\rrb}
1771 \newcommand\LBEG[1]{\normalfont\ttfamily\bs{}begin\lcb#1\rcb}}
1772 \newcommand\LEND[1]{\normalfont\ttfamily\bs{}end\lcb#1\rcb}}
1773
1774 \DeclareRobustCommand\bs{\normalfont\ttfamily\symbol{92}}
1775 \DeclareRobustCommand\lcb{\normalfont\ttfamily\char`{}}
1776 \DeclareRobustCommand\rcb{\normalfont\ttfamily\char`\}}
1777 \DeclareRobustCommand\lsb{\normalfont\ttfamily[]}
1778 \DeclareRobustCommand\rsb{\normalfont\ttfamily[]}}
1779 \DeclareRobustCommand\lrb{\normalfont\ttfamily()}
1780 \DeclareRobustCommand\rrb{\normalfont\ttfamily)}}
1781
1782 \def\Lcs#1{\nxLcs{#1}}
1783 \def\LcsStar#1{\nxLcs{#1}\OptArg*{}}
1784 \def\nxLcs#1{\texttt{\symbol{92}#1}}
1785
1786 \def\Coordx#1{$x_{#1}$}
1787 \def\Coordy#1{$y_{#1}$}
1788 \def\Coordz#1{$z_{#1}$}
1789 \def\Coord#1{\Coordx{#1},\kern 1pt\Coordy{#1}}
1790 \def\Coordn{\Coordx{n},\kern 1pt\Coordy{n}}
1791 \def\CoordIII#1{\Coordx{#1},\kern 1pt\Coordy{#1},\kern 1pt\Coordz{#1}}
1792 \def\CAny{\Coordx{},\kern 1pt\Coordy{}}
1793 \def\CIIIAny{\Coordx{},\kern 1pt\Coordy{},\kern 1pt\Coordz{}}
1794 \def\coord#1{(\Coordx{#1},\kern 1pt\Coordy{#1})}
1795 \def\coordn{(\Coordx{n},\kern 1pt\Coordy{n})}
1796 \def\coordiii#1{(\Coordx{#1},\kern 1pt\Coordy{#1},\kern 1pt\Coordz{#1})}
1797 \def\coordx#1{($x_{#1}$)}
1798 \def\coordy#1{($y_{#1}$)}
1799 \def\coordz#1{($z_{#1}$)}
1800 \def\cAny{(\Coordx{},\kern 1pt\Coordy{}}
1801 \def\ciiiiAny{(\Coordx{},\kern 1pt\Coordy{},\kern 1pt\Coordz{}}
1802
1803 \newsavebox{\boxdef}
1804 \newenvironment{BDef}
1805 {\begin{lrbox}\boxdef
1806 \def\arraystretch{1.0}
1807 \begin{tabular}{@{}l@{}l@{}l@{}}
1808 }
1809 {\end{tabular}\end{lrbox}}
1810

```



```

1811 {\BCmd\fbbox{\usebox\boxdef}\endBCmd}
1812 \aftergroup\@afterindentfalse\aftergroup\@afterheading
1813 }
1814
1815 \newenvironment{BDef*}
1816 {\begin{lrbox}\boxdef
1817   \def\arraystretch{1.0}
1818   \begin{tabular}{@{}l@{}l@{}l@{}}
1819 }
1820 {\end{tabular}\end{lrbox}
1821 {\begin{BCmd*}\fbbox{\usebox\boxdef}\end{BCmd*}}
1822 \aftergroup\@afterindentfalse\aftergroup\@afterheading
1823 }
1824 \newenvironment{BCmd}{
1825   \@beginparpenalty-\@lowpenalty
1826   \topsep\BDefaboveskip
1827   \fbboxsep3pt
1828   \flushleft}
1829 {\@endparpenalty\@M
1830   \@topsepadd\BDefbelowskip
1831   \endflushleft}
1832
1833 \newenvironment{BCmd*}{
1834   \@beginparpenalty\@M
1835   \topsep\BDefinlineskip
1836   \fbboxsep3pt
1837   \flushleft}
1838 {\@endparpenalty5000
1839   \endflushleft}
1840
1841 \newskip\BDefaboveskip
1842 \newskip\BDefbelowskip
1843 \newskip\BDefinlineskip
1844 \setlength\BDefaboveskip{10pt plus 4pt}
1845 \setlength\BDefbelowskip{6pt}
1846 \setlength\BDefinlineskip{6pt}
1847
1848 \def\OptArgs{\colorbox{black!20}{\texttt{[Options]}}\kern1pt}
1849 \def\OptArg{\@ifnextchar*\OptArg@i\OptArg@ii*}
1850 \def\OptArg@i*#1{\colorbox{black!20}{\texttt{#1}}\kern1pt}
1851 \def\OptArg@ii*#1{\colorbox{black!20}{\texttt{[#1]}}\kern1pt}

```

7.18 bidiftnxtra.sty

```

1852 \NeedsTeXFormat{LaTeX2e}
1853 \ProvidesPackage{bidiftnxtra}
1854 \newtoks\bidip@p@ftn
1855 \let\FN@sff@footnote\footnote
1856 \let\FN@sff@LTRfootnote\LTRfootnote
1857 \let\FN@sff@RTLfootnote\RTLfootnote

```



```

1858 \def\footnote{\ifx\protect\@typeset@protect
1859   \expandafter\FN@sfi@footnote
1860   \else
1861     \expandafter\FN@sfi@gobble@opt
1862   \fi
1863 }
1864 \def\LTRfootnote{\ifx\protect\@typeset@protect
1865   \expandafter\FN@sfi@LTRfootnote
1866   \else
1867     \expandafter\FN@sfi@gobble@opt
1868   \fi
1869 }
1870 \def\RTLfootnote{\ifx\protect\@typeset@protect
1871   \expandafter\FN@sfi@RTLfootnote
1872   \else
1873     \expandafter\FN@sfi@gobble@opt
1874   \fi
1875 }
1876 \edef\FN@sfi@gobble@opt{\noexpand\protect
1877   \expandafter\noexpand\csname FN@sfi@gobble@opt \endcsname}
1878 \expandafter\def\csname FN@sfi@gobble@opt \endcsname{%
1879   \@ifnextchar[%]
1880     \FN@sfi@gobble@twobrace
1881     \@gobble
1882 }
1883 \def\FN@sfi@gobble@twobrace[#1]#2{
1884   \let\FN@sfi@footnotemark\footnotemark
1885   \def\footnotemark{\ifx\protect\@typeset@protect
1886     \expandafter\FN@sfi@footnotemark
1887     \else
1888       \expandafter\FN@sfi@gobble@optonly
1889     \fi
1890 }
1891 \edef\FN@sfi@gobble@optonly{\noexpand\protect
1892   \expandafter\noexpand\csname FN@sfi@gobble@optonly \endcsname}
1893 \expandafter\def\csname FN@sfi@gobble@optonly \endcsname{%
1894   \@ifnextchar[%]
1895     \FN@sfi@gobble@brace
1896     {}%
1897 }
1898 \def\FN@sfi@gobble@brace[#1]{
1899 \def\@tabular{\if@RTL\global\@RTLtabtrue\fi
1900   \leavevmode \hbox \bgroup
1901   \let\@footnotetext\@bidi@p@fntext
1902   \let\@LTRfootnotetext\@bidi@p@LTRfntext
1903   \let\@RTLfootnotetext\@bidi@p@RTLfntext
1904   \let\@xfootnotenext\@bidi@p@xftntext
1905   \let\@xfootnote\@bidi@p@xfootnote
1906   \let\@xLTRfootnotenext\@bidi@p@xLTRfntext
1907   \let\@xLTRfootnote\@bidi@p@xLTRfootnote

```



```

1908 \let\@xRTLfootnotenext\@xRTLftntext
1909 \let\@xRTLfootnote\@xRTLfootnote
1910 \if@RTLtab\beginR \fi
1911 $\let\@acol\@tabacol
1912 \let\@classz\@tabclassz
1913 \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
1914 \def\endtabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
1915 \egroup $\if@RTLtab\endR\fi\egroup
1916 \ifx\@capytype\@undefined
1917 \global\@xRTLfootnotenext\@xRTLftntext\the\@xRTLfootnote\fi%
1918 \global\@RTLtabfalse}
1919 \long\def\@xRTLfootnote#1{%
1920 \edef\@tempy{\the\@xRTLfootnote\@xRTLftntext\the\csname c@\@mpfn\endcsname}}%
1921 \global\@xRTLfootnote\@xRTLftntext\@tempy{#1}}%
1922 \long\def\@xRTLfootnote#1{%
1923 \edef\@tempyi{\the\@xRTLfootnote\@xRTLftntext\the\csname c@\@mpfn\endcsname}}%
1924 \global\@xRTLfootnote\@xRTLftntext\@tempyi{#1}}%
1925 \long\def\@xRTLfootnote#1{%
1926 \edef\@tempyii{\the\@xRTLfootnote\@xRTLftntext\the\csname c@\@mpfn\endcsname}}%
1927 \global\@xRTLfootnote\@xRTLftntext\@tempyii{#1}}%
1928
1929
1930 \long\def\@xRTLfootnote#1#2{%
1931 \global\@xRTLfootnote\@xRTLftntext\the\@xRTLfootnote\@xRTLftntext#1#2}}
1932
1933 \long\def\@xRTLfootnote#1#2{%
1934 \global\@xRTLfootnote\@xRTLftntext\the\@xRTLfootnote\@xRTLftntext#1#2}}
1935
1936 \long\def\@xRTLfootnote#1#2{%
1937 \global\@xRTLfootnote\@xRTLftntext\the\@xRTLfootnote\@xRTLftntext#1#2}}
1938
1939
1940 \def\@xRTLfootnote#1{%
1941 \begingroup
1942 \csname c@\@mpfn\endcsname #1\relax
1943 \unrestored@protected@xdef\@thefnmark{\thempfn}%
1944 \endgroup
1945 \@footnotemark\@xRTLfootnote#1}}
1946
1947
1948 \def\@xRTLfootnote#1{%
1949 \begingroup
1950 \csname c@\@mpfn\endcsname #1\relax
1951 \unrestored@protected@xdef\@thefnmark{\thempfn}%
1952 \endgroup
1953 \@footnotemark\@xRTLfootnote#1}}
1954
1955
1956 \def\@xRTLfootnote#1{%
1957 \begingroup

```



```

1958     \csname c@\mpfn\endcsname #1\relax
1959     \unrestored@protected@xdef\@thefnmark{\thempfn}%
1960 \endgroup
1961 \@footnotemark\@bidi@p@xRTLftntext[#1]}
1962
1963 \def\@xfloat #1[#2]{%
1964 \@nodocument
1965 \def \@captype {#1}%
1966 \def \@fps {#2}%
1967 \@onelevel@sanitize \@fps
1968 \def \reserved@b {!}%
1969 \ifx \reserved@b \@fps
1970 \@fpsadddefault
1971 \else
1972 \ifx \@fps \@empty
1973 \@fpsadddefault
1974 \fi
1975 \fi
1976 \ifhmode
1977 \@bsphack
1978 \@floatpenalty -\@Mii
1979 \else
1980 \@floatpenalty-\@Miii
1981 \fi
1982 \ifinner
1983 \@parmoderr\@floatpenalty\z@
1984 \else
1985 \@next\@currbox\@freelist
1986 {%
1987 \@tempcnta \sixt@@n
1988 \expandafter \@tfor \expandafter \reserved@a
1989 \expandafter :\expandafter =\@fps
1990 \do
1991 {%
1992 \if \reserved@a h%
1993 \ifodd \@tempcnta
1994 \else
1995 \advance \@tempcnta \@ne
1996 \fi
1997 \fi
1998 \if \reserved@a t%
1999 \setfpsbit \tw@
2000 \fi
2001 \if \reserved@a b%
2002 \setfpsbit 4%
2003 \fi
2004 \if \reserved@a p%
2005 \setfpsbit 8%
2006 \fi
2007 \if \reserved@a !%

```



```

2008         \ifnum \@tempcnta>15
2009             \advance\@tempcnta -\sixt@@n\relax
2010         \fi
2011     \fi
2012 }%
2013 \@tempcntb \csname ftype@\@capytype \endcsname
2014 \multiply \@tempcntb \@xxxii
2015 \advance \@tempcnta \@tempcntb
2016 \global \count\@currbox \@tempcnta
2017 }%
2018 \@fltovf
2019 \fi
2020 \global \setbox\@currbox
2021     \color@vbox
2022     \normalcolor
2023     \vbox \bgroup
2024     \let\@footnotetext\@bidi@p@ftntext
2025     \let\@LTRfootnotetext\@bidi@p@LTRftntext
2026     \let\@RTLfootnotetext\@bidi@p@RTLftntext
2027     \let\@xfootnotenext\@bidi@p@xftntext
2028     \let\@xfootnote\@bidi@p@xfootnote
2029     \let\@xLTRfootnotenext\@bidi@p@xLTRftntext
2030     \let\@xLTRfootnote\@bidi@p@xLTRfootnote
2031     \let\@xRTLfootnotenext\@bidi@p@xRTLftntext
2032     \let\@xRTLfootnote\@bidi@p@xRTLfootnote
2033     \hsize\columnwidth
2034     \@parboxrestore
2035     \@floatboxreset
2036 }
2037 \def \@@endfloatbox{%
2038     \par\vskip\z@skip      %% \par\vskip\z@ added 15 Dec 87
2039     \@minipagefalse
2040     \outer@nobreak
2041     \egroup               %% end of vbox
2042     \global\@bidi@p@ftn\expandafter{\expandafter}\the\@bidi@p@ftn
2043     \color@endbox
2044 }

```

7.19 bidi-longtable.sty

```

2045 \ProvidesPackage{bidi-longtable}[2012/12/12 v0.1 typesetting bidi longtables in XeTeX engine (ex
2046 \def\longtable{\if@RTL\@RTLtabtrue\fi%
2047     \par
2048     \ifx\multicols\@undefined
2049     \else
2050         \ifnum\col@number>\@one
2051             \@twocolumntrue
2052         \fi
2053     \fi
2054     \if@twocolumn

```



```

2055 \LT@err{longtable not in 1-column mode}\@ehc
2056 \fi
2057 \begingroup
2058 \@ifnextchar[\LT@array{\LT@array[x]}]
2059 \def\endlongtable{%
2060 \crrc
2061 \noalign{%
2062 \let\LT@entry\LT@entry@chop
2063 \xdef\LT@save@row{\LT@save@row}}%
2064 \LT@echunk
2065 \LT@start
2066 \unvbox\z@
2067 \LT@get@widths
2068 \if@files
2069 {\let\LT@entry\LT@entry@write\immediate\write\@auxout{%
2070 \gdef\expandafter\noexpand
2071 \csname LT@romannumeral\c@LT@tables\endcsname
2072 {\LT@save@row}}}%
2073 \fi
2074 \ifx\LT@save@row\LT@@save@row
2075 \else
2076 \LT@warn{Column \width s have changed\MessageBreak
2077 in table \thetable}%
2078 \LT@final@warn
2079 \fi
2080 \endgraf\penalty -\LT@end@pen
2081 \endgroup
2082 \global\@mparbottom\z@
2083 \pagegoal\vsize
2084 \endgraf\penalty\z@\addvspace\LTpost
2085 \ifvoid\footins\else\insert\footins{}\fi\@RTLtabfalse}
2086 \def\LT@output{%
2087 \ifnum\outputpenalty <-\@Mi
2088 \ifnum\outputpenalty > -\LT@end@pen
2089 \LT@err{floats and marginpars not allowed in a longtable}\@ehc
2090 \else
2091 \setbox\z@\vbox{\unvbox\@cclv}%
2092 \ifdim \ht\LT@lastfoot>\ht\LT@foot
2093 \dimen@pagegoal
2094 \advance\dimen@-\ht\LT@lastfoot
2095 \ifdim\dimen@<\ht\z@
2096 \setbox\@cclv\vbox{\unvbox\z@\copy\LT@foot\vss}%
2097 \makecol
2098 \outputpage
2099 \setbox\z@\vbox{\box\LT@head}%
2100 \fi
2101 \fi
2102 \global\@colroom\@colht
2103 \global\vsize\@colht
2104 \vbox

```



```

2105     {\hbox{\if@RTLtab\beginR\fi\vbox{\unvbox\z@\box\ifvoid\LT@lastfoot\LT@foot\else\LT@lastf
2106     \fi
2107     \else
2108     \setbox\@cclv\vbox{\hbox{\if@RTLtab\beginR\fi\vbox{\unvbox\@cclv\copy\LT@foot\vss}\if@RTLta
2109     \@makecol
2110     \@outputpage
2111     \global\size\@colroom
2112     \copy\LT@head\nobreak
2113     \fi}

```

7.20 bidimoderncv.cls

```

2114 \NeedsTeXFormat{LaTeX2e}
2115 \ProvidesClass{bidimoderncv}
2116 \newif\if@DEBUG\@DEBUGfalse
2117 \DeclareOption{a4paper}{
2118   \setlength\paperheight{297mm}
2119   \setlength\paperwidth{210mm}}
2120 \DeclareOption{a5paper}{
2121   \setlength\paperheight{210mm}
2122   \setlength\paperwidth{148mm}}
2123 \DeclareOption{b5paper}{
2124   \setlength\paperheight{250mm}
2125   \setlength\paperwidth{176mm}}
2126 \DeclareOption{letterpaper}{
2127   \setlength\paperheight{11in}
2128   \setlength\paperwidth{8.5in}}
2129 \DeclareOption{legalpaper}{
2130   \setlength\paperheight{14in}
2131   \setlength\paperwidth{8.5in}}
2132 \DeclareOption{executivepaper}{
2133   \setlength\paperheight{10.5in}
2134   \setlength\paperwidth{7.25in}}
2135 \DeclareOption{landscape}{
2136   \setlength\@tempdima{\paperheight}
2137   \setlength\paperheight{\paperwidth}
2138   \setlength\paperwidth{\@tempdima}}
2139 \newcommand\@ptsize{}
2140 \DeclareOption{10pt}{\renewcommand\@ptsize{0}}
2141 \DeclareOption{11pt}{\renewcommand\@ptsize{1}}
2142 \DeclareOption{12pt}{\renewcommand\@ptsize{2}}
2143 \DeclareOption{draft}{\setlength\overfullrule{5pt}}
2144 \DeclareOption{final}{\setlength\overfullrule{0pt}}
2145 \newif\if@colour\@colourtrue
2146 \DeclareOption{nocolour}{\@colourfalse}
2147 \ExecuteOptions{a4paper,11pt,colour,final}
2148 \ProcessOptions\relax
2149 \input{size1\@ptsize.clo}
2150 \RequirePackage{color}
2151 \RequirePackage{graphicx}

```




```

2152 \RequirePackage{ifthen}
2153 \RequirePackage{marvosym}
2154 \addtolength{\oddsidemargin}{-54pt}
2155 \addtolength{\textwidth}{109pt}
2156 \addtolength{\topmargin}{-70pt}
2157 \addtolength{\textheight}{122pt}
2158 \addtolength{\marginparsep}{-5pt}
2159 \addtolength{\marginparwidth}{-10pt}
2160 \RequirePackage{url}
2161 \RequirePackage{hyperref}
2162 \hypersetup{%
2163   breaklinks,
2164   baseurl      = http://,%
2165   pdfborder    = 0 0 0,%
2166   pdfpagemode  = UseNone,%
2167   pdfstartpage = 1}
2168 \AtEndOfClass{%
2169   \AtBeginDocument{%
2170     \hypersetup{%
2171       pdfauthor      = \@firstname~\@familyname,%
2172       pdftitle       = \@title,%
2173       pdfsubject     = \@firstname~\@familyname,%
2174       pdfkeywords    = \@resumename~\@firstname~\@familyname}}}
2175 \urlstyle{tt}
2176 \RequirePackage{fancyhdr}
2177 \fancypagestyle{plain}{%
2178   \renewcommand{\headrulewidth}{0pt}
2179   \renewcommand{\footrulewidth}{0pt}
2180   \fancyhf{}}
2181 \pagestyle{plain}
2182 \setlength\lineskip{1\p@}
2183 \setlength\normallineskip{1\p@}
2184 \renewcommand\baselinestretch{}
2185 \setlength{\parindent}{0pt}
2186 \setlength{\parskip}{0pt}
2187 \setlength\columnsep{10\p@}
2188 \setlength\columnseprule{0\p@}
2189 \pagestyle{empty}
2190 \pagenumbering{arabic}
2191 \raggedbottom
2192 \onecolumn
2193 \providecommand*\listitemsymbol{\textbullet}
2194 \providecommand*\addresssymbol{}
2195 \providecommand*\mobilesymbol{\Mobilefone}
2196 \providecommand*\phonesymbol{\Telefon}
2197 \providecommand*\faxsymbol{\FAX}
2198 \providecommand*\emailsymbol{\Letter}
2199 \definecolor{firstnamecolour}{rgb}{0,0,0}
2200 \def\firstnamecolour#1{\gdef\@firstnamecolour{\addfontfeature{Color=#1}}}
2201 \def\familynamecolour#1{\gdef\@familynamecolour{\addfontfeature{Color=#1}}}

```



```

2202 \def\titlecolour#1{\gdef\@titlecolour{\addfontfeature{Color=#1}}}
2203 \def\addresscolour#1{\gdef\@addresscolour{\addfontfeature{Color=#1}}}
2204 \def\quotecolour#1{\gdef\@quotecolour{\addfontfeature{Color=#1}}}
2205 \def\sectiontitlecolour#1{\gdef\@sectiontitlecolour{\addfontfeature{Color=#1}}}
2206 \definecolor{sectionrectanglecolor}{rgb}{0,0,0}
2207 \def\subsectioncolour#1{\gdef\@subsectioncolour{\addfontfeature{Color=#1}}}
2208 \def\hintcolour#1{\gdef\@hintcolour{\addfontfeature{Color=#1}}}
2209 \providecommand*\{firstfont}\{}
2210 \providecommand*\{familynamefont}\{}
2211 \providecommand*\{titlefont}\{}
2212 \providecommand*\{addressfont}\{}
2213 \providecommand*\{quoteft}\{}
2214 \providecommand*\{sectionfont}\{}
2215 \providecommand*\{subsectionfont}\{}
2216 \providecommand*\{hintfont}\small
2217 \providecommand*\{firstnamestyle}[1]{\{firstfont\@firstnamecolour#1}}
2218 \providecommand*\{familynamestyle}[1]{\{familynamefont\@familynamecolour#1}}
2219 \providecommand*\{titlestyle}[1]{\{titlefont\@titlecolour#1}}
2220 \providecommand*\{addresstyle}[1]{\{addressfont\@addresscolour#1}}
2221 \providecommand*\{quotestyle}[1]{\{quoteft\@quotecolour#1}}
2222 \providecommand*\{sectionstyle}[1]{\{sectionfont\@sectiontitlecolour#1}}
2223 \providecommand*\{subsectionstyle}[1]{\{subsectionfont\@subsectioncolour#1}}
2224 \providecommand*\{hintstyle}[1]{\{hintfont\@hintcolour#1}}
2225 \newcommand*\{cvtheme}[2][\{}
2226 \def\@cvtheme{#2}
2227 \def\@cvthemeoptions{#1}}
2228 \cvtheme{bidi-casual}
2229 \AtBeginDocument{\RequirePackage[\@cvthemeoptions]{cvtheme\@cvtheme}}
2230 \newcommand*\{resumename}[1]{\def\@resumename{#1}}
2231 \newcommand*\{firstname}[1]{\def\@firstname{#1}}
2232 \newcommand*\{familyname}[1]{\def\@familyname{#1}}
2233 \renewcommand*\{title}[1]{\def\@title{#1}}
2234 \newcommand*\{address}[1]{\def\@address{#1}}
2235 \newcommand*\{mobile}[1]{\def\@mobile{#1}}
2236 \newcommand*\{phone}[1]{\def\@phone{#1}}
2237 \renewcommand*\{fax}[1]{\def\@fax{#1}}
2238 \newcommand*\{email}[1]{\def\@email{#1}}
2239 \newcommand*\{extrainfo}[1]{\def\@extrainfo{#1}}
2240 \def\@photowidth{0pt}
2241 \newcommand*\{photo}[2][64pt]{\def\@photowidth{#1}\def\@photo{#2}}
2242 \newcommand*\{quote}[1]{\def\@quote{#1}}
2243 \newlength\quotewidth
2244 \newlength\hintscolumnwidth
2245 \newlength\separatorcolumnwidth
2246 \setlength\separatorcolumnwidth{0.025\textwidth}
2247 \newlength\maincolumnwidth
2248 \newlength\doubleitemmaincolumnwidth
2249 \newlength\listitemsymbolwidth
2250 \settowidth\listitemsymbolwidth{\listitemsymbol{~}}
2251 \newlength\listitemmaincolumnwidth

```



```

2252 \newlength{\listdoubleitemmaincolumnwidth}
2253 \newcommand*{\recomputethemelengths}{}
2254 \newcommand*{\recomputelengths}{%
2255 \setlength{\quotewidth}{0.65\textwidth}%
2256 \setlength{\maincolumnwidth}{\textwidth}%
2257 \addtolength{\maincolumnwidth}{-\separatorcolumnwidth}%
2258 \addtolength{\maincolumnwidth}{-\hintscolumnwidth}%
2259 \setlength{\listitemmaincolumnwidth}{\maincolumnwidth}%
2260 \addtolength{\listitemmaincolumnwidth}{-\listitemsymbolwidth}%
2261 \setlength{\doubleitemmaincolumnwidth}{\maincolumnwidth}%
2262 \addtolength{\doubleitemmaincolumnwidth}{-\hintscolumnwidth}%
2263 \addtolength{\doubleitemmaincolumnwidth}{-\separatorcolumnwidth}%
2264 \setlength{\doubleitemmaincolumnwidth}{0.5\doubleitemmaincolumnwidth}%
2265 \setlength{\listdoubleitemmaincolumnwidth}{\maincolumnwidth}%
2266 \addtolength{\listdoubleitemmaincolumnwidth}{-\listitemsymbolwidth}%
2267 \setlength{\listdoubleitemmaincolumnwidth}{0.475\listdoubleitemmaincolumnwidth}%
2268 \renewcommand{\headwidth}{\textwidth}%
2269 \recomputethemelengths}
2270 \setlength{\hintscolumnwidth}{0.15\textwidth}
2271 \recomputelengths
2272 \title{}
2273 \renewcommand*{\maketitle}{}
2274 \newcommand*{\section}[1]{%
2275 \vspace*{2.5ex \@plus 1ex \@minus .2ex}%
2276 \phantomsection}%
2277 \addcontentsline{toc}{part}{#1}%
2278 \parbox[m]{\hintscolumnwidth}{\bidi@raggedleft\hintfont{\leavevmode\color{sectionrectanglecolor}
2279 \hspace{\separatorcolumnwidth}%
2280 \parbox[m]{\maincolumnwidth}{\sectionstyle{#1}}\}[1ex]}
2281 \newcommand*{\subsection}[1]{%
2282 \cvline[0.45em]{}{\subsectionstyle{#1}}}
2283 \newcommand*{\cvline}[3][.25em]{%
2284 \begin{tabular}{@{}p{\hintscolumnwidth}@{\hspace{\separatorcolumnwidth}}p{\maincolumnwidth}@{}
2285 \bidi@raggedleft\hintfont{#2} \&{#3}%
2286 \end{tabular}}\[#1]}
2287 \newcommand*{\cvdoubleitem}[4]{%
2288 \cvline{#1}{\begin{minipage}[t]{\doubleitemmaincolumnwidth}#2\end{minipage}}%
2289 \hfill%
2290 \begin{minipage}[t]{\hintscolumnwidth}\bidi@raggedleft\hintfont{#3}\end{minipage}\hspace*{\se
2291 \newcommand*{\cvlistitem}[2][\listitemsymbol]{}{%
2292 \cvline[0pt]{}{#1~\begin{minipage}[t]{\listitemmaincolumnwidth}#2\end{minipage}}}%
2293 \newcommand*{\cvlistdoubleitem}[3][\listitemsymbol]{}{%
2294 \cvline[0pt]{}{#1~\begin{minipage}[t]{\listdoubleitemmaincolumnwidth}#2\end{minipage}}%
2295 \hfill%
2296 \ifthenelse{\equal{#3}{}}{%
2297 {}%
2298 {#1~\begin{minipage}[t]{\listdoubleitemmaincolumnwidth}#3\end{minipage}}}%
2299 \newcommand*{\cventry}[6]{%
2300 \cvline{#1}{%
2301 {\bfseries#2}%

```



```

2302 \ifx#3\else{, {\slshape#3}}\fi%
2303 \ifx#4\else{, #4}\fi%
2304 \ifx#5\else{, #5}\fi%
2305 .%
2306 \ifx#6\else{\newline{}\begin{minipage}[t]{\linewidth}\small#6\end{minipage}}\fi
2307 }%
2308 \newcommand*{\cvtlanguage}[3]{%
2309 \cvline{#1}{\begin{minipage}[t]{.225\maincolumnwidth}\textbf{#2}\end{minipage}\hfill\begin{m
2310 \newcommand*{\cvcomputer}[4]{%
2311 \cdoubleitem{#1}{\small#2}{#3}{\small#4}}
2312 \newcommand*{\link}[2][]{%
2313 \ifthenelse{\equal{#1}{}}{%
2314 {\href{#2}{#2}}%
2315 {\href{#2}{#1}}}
2316 \newcommand*{\httplink}[2][]{%
2317 \ifthenelse{\equal{#1}{}}{%
2318 {\href{http://#2}{#2}}%
2319 {\href{http://#2}{#1}}}
2320 \newcommand*{\emailink}[2][]{%
2321 \ifthenelse{\equal{#1}{}}{%
2322 {\href{mailto:#2}{#2}}%
2323 {\href{mailto:#2}{#1}}}
2324 \newif\if@displaypagenumbers\displaypagenumberstrue
2325 \newcommand*{\nopagenumbers}{\@displaypagenumbersfalse}
2326 \AtBeginDocument{%
2327 \if@displaypagenumbers%
2328 \@ifundefined{r@lastpage}{\}%
2329 \ifthenelse{\pageref{lastpage} > 1}{%
2330 \fancypagestyle{plain}{%
2331 \fancyfoot[r]{\beginL\addressfont\@quotecolour\footnotesize\thepage\beginL/\endL\pageref
2332 \pagestyle{plain}}}%
2333 \AtEndDocument{\label{lastpage}}%
2334 \fi}
2335 \newlength{\bibindent}
2336 \setlength{\bibindent}{1.5em}
2337 \newcommand*{\bibliographyitemlabel}{\includegraphics{bibitem.pdf}}
2338 \newenvironment{thebibliography}[1]{%
2339 {%
2340 \section{\refname}%
2341 \small%
2342 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
2343 \begin{list}{\bibliographyitemlabel}%
2344 {%
2345 \setlength{\topsep}{0pt}%
2346 \setlength{\labelwidth}{\hintscolumnwidth}%
2347 \setlength{\labelsep}{\separatorcolumnwidth}%
2348 \leftmargin\labelwidth%
2349 \advance\leftmargin\labelsep%
2350 \@openbib@code%
2351 \usecounter{enumiv}%

```



```

2352         \let\p@enumiv\empty%
2353         \renewcommand\theenumiv{\@arabic\c@enumiv}}}%
2354         \sloppy\clubpenalty4000\widowpenalty4000%
2355     }%
2356     {%
2357     \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}}%
2358     \end{list}}%
2359 }
2360 \newcommand\newblock{\hskip .11em\@plus.33em\@minus.07em}
2361 \let\@openbib@code\empty

```

7.21 biditools.sty

```

2362 \NeedsTeXFormat{LaTeX2e}
2363 \ProvidesPackage{biditools}[2015/11/14 v0.8 Programming tools for bidi package]
2364 \providecommand{\@bidi@saveprimitive}[2]{\begingroup\escapechar`\relax
2365   \edef\@tempa{\string#1}\edef\@tempb{\meaning#1}%
2366   \ifx\@tempa\@tempb \global\let#2#1%
2367   \else
2368     \edef\@tempb{\meaning#2}%
2369     \ifx\@tempa\@tempb
2370     \else
2371       \@latex@error{Unable to properly define \string#2; primitive
2372         \noexpand#1no longer primitive}\@eha
2373     \fi
2374   \fi
2375   \endgroup}
2376 \newtoks\@bidi@envbody
2377 \newtoks\@bidi@emptytoks
2378 \def\bidi@addto@envbody#1{\global\@bidi@envbody\expandafter{\the\@bidi@envbody#1}}
2379 \def\bidi@collect@body#1{%
2380   \@bidi@envbody{\expandafter#1\expandafter{\the\@bidi@envbody}}}%
2381 \edef\bidi@process@envbody{\the\@bidi@envbody\noexpand\end{\@currentvir}}%
2382 \@bidi@envbody\@bidi@emptytoks \def\begin@bidi@stack{b}%
2383 \begingroup
2384 \expandafter\let\csname\@currentvir\endcsname\bidi@collect@body
2385 \edef\bidi@process@envbody{\expandafter\noexpand\csname\@currentvir\endcsname}%
2386 \bidi@process@envbody
2387 }
2388 \def\bidi@push@begins#1\begin#2{%
2389   \ifx\end#2\else b\expandafter\bidi@push@begins\fi
2390 }
2391 \def\bidi@collect@@body#1\end#2{%
2392   \edef\begin@bidi@stack{\bidi@push@begins#1\begin\end \expandafter\@gobble\begin@bidi@stack}%
2393   \ifx\empty\begin@bidi@stack
2394     \endgroup
2395     \@checkend{#2}%
2396     \bidi@addto@envbody{#1}%
2397   \else
2398     \bidi@addto@envbody{#1\end{#2}}%

```



```

2399 \fi
2400 \bidi@process@envbody % A little tricky! Note the grouping
2401 }
2402 \long\def\bidi@addto@long@envbody#1{\global\@bidi@envbody\expandafter{\the\@bidi@envbody#1}}
2403 \long\def\bidi@collect@long@body#1{%
2404   \@bidi@envbody{\expandafter#1\expandafter{\the\@bidi@envbody}}%
2405   \edef\bidi@process@envbody{\the\@bidi@envbody\noexpand\end{\@currenvir}}%
2406   \@bidi@envbody\@bidi@emptytoks \def\begin@bidi@stack{b}%
2407   \begingroup
2408   \expandafter\let\csname\@currenvir\endcsname\bidi@collect@long@body
2409   \edef\bidi@process@envbody{\expandafter\noexpand\csname\@currenvir\endcsname}%
2410   \bidi@process@envbody
2411 }
2412 \long\def\bidi@push@long@begins#1\begin#2{%
2413   \ifx\end#2\else b\expandafter\bidi@push@long@begins\fi
2414 }
2415 \long\def\bidi@collect@long@@body#1\end#2{%
2416   \edef\begin@bidi@stack{\bidi@push@long@begins#1\begin\end \expandafter\@gobble\begin@bidi@st
2417   \ifx\@empty\begin@bidi@stack
2418     \endgroup
2419     \@checkend{#2}%
2420     \bidi@addto@long@envbody{#1}%
2421   \else
2422     \bidi@addto@long@envbody{#1\end{#2}}%
2423   \fi
2424   \bidi@process@envbody % A little tricky! Note the grouping
2425 }
2426 \long\def\bidi@new@ifnextchar#1#2#3{%
2427   \let\reserved@d= #1%
2428   \def\reserved@a{#2}\def\reserved@b{#3}%
2429   \futurelet\@let@token\bidi@new@ifnch
2430 }
2431 \def\bidi@new@ifnch{%
2432   \ifx\@let@token\reserved@d \let\reserved@b\reserved@a \fi
2433   \reserved@b
2434 }
2435 \def\bidi@matrix@check#1{%
2436   \expandafter\ifx\csname\@currenvir\endcsname#1%
2437   \else\bidi@matrix@error#1%
2438     \expandafter\@gobble
2439   \fi
2440 }
2441 \def\bidi@matrix@error#1{%
2442   \PackageError{biditools}{%
2443     Old form '\string#1' should be \string\begin{\expandafter\@gobble\string#1}%
2444   }{%
2445     '\string#1{...}' is old bidi package syntax whose use is
2446     ill-advised in the old versions of bidi package.%
2447   }%
2448 }

```



```

2449 \def\@tagsextension{clo}
2450 \def\@definitionfileextension{def}
2451 \def\@texfileextension{tex}
2452 \def\@iftagsloaded{\@ifl@aded\@tagsextension}
2453 \def\@ifdefinitionfileloaded{\@ifl@aded\@definitionfileextension}
2454 \def\@iftexfileloaded{\@ifl@aded\@texfileextension}
2455 \def\eqnewif#1#2{%
2456   \count@\escapechar \escapechar\m@ne
2457   \let#1\iffalse
2458   \let#2\iffalse
2459   \eq@if#1#2\iftrue
2460   \eq@if#1#2\iffalse
2461   \escapechar\count@}
2462 \def\eq@if#1#2#3{%
2463   \expandafter\def\csname\expandafter\@gobbletwo\string#1%
2464     \expandafter\@gobbletwo\string#3\endcsname
2465     {\let#1#3%
2466     \let#2#3}%
2467   \expandafter\def\csname\expandafter\@gobbletwo\string#2%
2468     \expandafter\@gobbletwo\string#3\endcsname
2469     {\let#2#3%
2470     \let#1#3}}
2471 \def\@bidi@removefromreset#1#2{%
2472   \expandafter\let\csname c@#1\endcsname\@bidi@removefromreset
2473   \def\@elt##1{%
2474     \expandafter\ifx\csname c@##1\endcsname\@bidi@removefromreset
2475     \else
2476       \noexpand\@elt{##1}%
2477     \fi}%
2478   \expandafter\xdef\csname cl@#2\endcsname{%
2479     \csname cl@#2\endcsname}}
2480 \newcommand*{\if@bidi@csdef}[1]{%
2481   \ifcsname#1\endcsname
2482     \expandafter\@firstoftwo
2483   \else
2484     \expandafter\@secondoftwo
2485   \fi}
2486 \newcommand*{\if@bidi@csundef}[1]{%
2487   \ifcsname#1\endcsname
2488     \expandafter\ifx\csname#1\endcsname\relax
2489     \expandafter\expandafter
2490     \expandafter\@firstoftwo
2491   \else
2492     \expandafter\expandafter
2493     \expandafter\@secondoftwo
2494   \fi
2495   \else
2496     \expandafter\@firstoftwo
2497   \fi}
2498 \newcommand{\if@bidi@def}[1]{%

```



```

2499 \ifdefined#1%
2500 \expandafter\@firstoftwo
2501 \else
2502 \expandafter\@secondoftwo
2503 \fi}
2504 \newcommand{\if@bidi@undef}[1]{%
2505 \ifdefined#1%
2506 \ifx#1\relax
2507 \expandafter\expandafter
2508 \expandafter\@firstoftwo
2509 \else
2510 \expandafter\expandafter
2511 \expandafter\@secondoftwo
2512 \fi
2513 \else
2514 \expandafter\@firstoftwo
2515 \fi}
2516 \newcommand{\if@bidi@blank}[1]{% from url.sty
2517 \bidi@ifblank@i#1&&\@secondoftwo\@firstoftwo:}
2518 \long\def\bidi@ifblank@i#1#2&#3#4#5:{#4}
2519 \newcommand{\bidi@notblank}[1]{%
2520 \bidi@ifblank@i#1&&\@firstoftwo\@secondoftwo:}
2521 \newcommand{\if@bidi@defmacro}{%
2522 \long\edef\if@bidi@defmacro#1{%
2523 \noexpand\expandafter\noexpand\bidi@ifdefmacro
2524 \noexpand\meaning#1\detokenize{macro}:&}
2525 \edef\bidi@ifdefmacro{%
2526 \def\noexpand\bidi@ifdefmacro##1\detokenize{macro}:##2&}
2527 \bidi@ifdefmacro{\bidi@notblank{#2}}
2528 \newcommand*{\if@bidi@csmacro}[1]{%
2529 \if@bidi@csdef{#1}
2530 {\expandafter\if@bidi@defmacro\csname#1\endcsname}
2531 {\@secondoftwo}}
2532 \newcommand{\if@bidi@defprimitive}[1]{%
2533 \ifprimitive#1%
2534 \expandafter\@firstoftwo
2535 \else
2536 \expandafter\@secondoftwo
2537 \fi}
2538 \newcommand{\if@bidi@csprimitive}[1]{%
2539 \begingroup\expandafter\expandafter\expandafter\endgroup%
2540 \expandafter\ifprimitive\csname#1\endcsname%
2541 \expandafter\@firstoftwo
2542 \else
2543 \expandafter\@secondoftwo
2544 \fi}
2545 \newcommand*{\bidi@csdefcs}[2]{%
2546 \expandafter\@ifdefinable \csname#1\endcsname{%
2547 \expandafter\def\csname#1\expandafter\endcsname{\csname#2\endcsname}}
2548 \newcommand*{\bidi@csletcs}[2]{%

```




```

2549 \expandafter\@ifdefinable \csname#1\endcsname{%
2550 \expandafter\let\csname#1\expandafter\endcsname\csname#2\endcsname}}
2551 \newcommand*{\bidi@cslet}[2]{%
2552 \expandafter\@ifdefinable \csname#1\endcsname{%
2553 \expandafter\let\csname#1\endcsname#2}}
2554 \newcommand{\bidi@namelongdef}[1]{%
2555 \long\expandafter\def\csname #1\endcsname{
2556 \def\bidi@ensure@newcommand{\@star@or@long\bidi@ensure@new@command}
2557 \def\bidi@ensure@new@command#1{%
2558 \begingroup \escapechar\m@ne\xdef\@gtempa{\string#1}}\endgroup
2559 \expandafter\if\bidi@csundef\@gtempa
2560 {\new@command#1}{\relax%
2561 \let\@ifdefinable\@rc@ifdefinable%
2562 \new@command#1}}
2563 \def\bidi@ensure@newlength#1{\if\bidi@undef#1{\newskip#1}{}}
2564
2565 \protected\def\bidi@error{\PackageError\bidi}
2566 \protected\def\bidi@warning{\PackageWarning\bidi}
2567 \protected\def\bidi@info{\PackageInfo\bidi}
2568
2569 \newcommand*{\bidi@newrobustcmd}{}
2570 \protected\def\bidi@newrobustcmd{\@star@or@long\bidi@new@command}
2571
2572 \def\bidi@new@command#1{\@testopt{\bidi@newcommand#1}0}
2573
2574 \def\bidi@newcommand#1[#2]{%
2575 \@ifnextchar[%
2576 {\bidi@xargdef#1[#2]}
2577 {\ifx\l@ngrel@x\relax
2578 \let\l@ngrel@x\protected
2579 \else
2580 \protected\def\l@ngrel@x{\protected\long}%
2581 \fi
2582 \@argdef#1[#2]}}
2583
2584 \long\def\bidi@xargdef#1[#2][#3]#4{%
2585 \@ifdefinable#1{%
2586 \expandafter\protected
2587 \expandafter\def
2588 \expandafter#1%
2589 \expandafter{%
2590 \expandafter\@testopt
2591 \csname\string#1\endcsname{#3}}%
2592 \expandafter\@yargdef\csname\string#1\endcsname\tw@{#2}{#4}}}
2593
2594 \bidi@newrobustcmd*{\bidi@renewrobustcmd}{\@star@or@long\bidi@renew@command}
2595
2596 \def\bidi@renew@command#1{%
2597 \if\bidi@undef{#1}
2598 {\bidi@error{\string#1 undefined}\@ehc}

```



```

2599     {}%
2600 \let\@ifdefinable\@rc@ifdefinable
2601 \bidi@new@command#1}
2602
2603
2604
2605 \bidi@newrobustcmd*{\bidi@providerobustcmd}{\@star@or@long\bidi@provide@command}
2606
2607 \def\bidi@provide@command#1{%
2608   \if@bidi@undef{#1}
2609     {\def\reserved@a{\bidi@new@command#1}}
2610     {\def\reserved@a{\bidi@renew@command\reserved@a}}%
2611   \reserved@a}
2612
2613 \newcommand*{\bidi@csuse}[1]{%
2614   \ifcsname#1\endcsname
2615     \csname#1\expandafter\endcsname
2616   \fi}
2617
2618 \newcommand{\bidi@expandonce}[1]{%
2619   \unexpanded\expandafter{#1}}
2620
2621 \def\bidi@protected{%
2622   \let\@protect\protect
2623   \let\protect\@unexpandable@protect
2624   \afterassignment\restore@protect}
2625
2626 \bidi@newrobustcmd{\bidi@appto}[2]{%
2627   \if@bidi@undef{#1}
2628     {\edef#1{\unexpanded{#2}}}
2629     {\edef#1{\bidi@expandonce#1\unexpanded{#2}}}}
2630 \bidi@newrobustcmd{\bidi@eappto}[2]{%
2631   \if@bidi@undef{#1}
2632     {\edef#1{#2}}
2633     {\edef#1{\bidi@expandonce#1#2}}}
2634 \bidi@newrobustcmd{\bidi@gappto}[2]{%
2635   \if@bidi@undef{#1}
2636     {\xdef#1{\unexpanded{#2}}}
2637     {\xdef#1{\bidi@expandonce#1\unexpanded{#2}}}}
2638 \bidi@newrobustcmd{\bidi@xappto}[2]{%
2639   \if@bidi@undef{#1}
2640     {\xdef#1{#2}}
2641     {\xdef#1{\bidi@expandonce#1#2}}}
2642
2643 \bidi@newrobustcmd*{\bidi@protected@eappto}{\bidi@protected\bidi@eappto}
2644 \bidi@newrobustcmd*{\bidi@protected@xappto}{\bidi@protected\bidi@xappto}
2645
2646
2647
2648 \bidi@newrobustcmd{\bidi@preto}[2]{%

```



```

2649 \if@bidi@undef{#1}
2650   {\edef#1{\unexpanded{#2}}}
2651   {\edef#1{\unexpanded{#2}\bidi@expandonce#1}}}
2652 \bidi@newrobustcmd{\bidi@epreto}[2]{%
2653   \if@bidi@undef{#1}
2654     {\edef#1{#2}}
2655     {\edef#1{#2\bidi@expandonce#1}}}
2656 \bidi@newrobustcmd{\bidi@gpreto}[2]{%
2657   \if@bidi@undef{#1}
2658     {\xdef#1{\unexpanded{#2}}}
2659     {\xdef#1{\unexpanded{#2}\bidi@expandonce#1}}}
2660 \bidi@newrobustcmd{\bidi@xpreto}[2]{%
2661   \if@bidi@undef{#1}
2662     {\xdef#1{#2}}
2663     {\xdef#1{#2\bidi@expandonce#1}}}
2664
2665 \bidi@newrobustcmd*{\bidi@protected@epreto}{\bidi@protected\bidi@epreto}
2666 \bidi@newrobustcmd*{\bidi@protected@xpreto}{\bidi@protected\bidi@xpreto}
2667
2668
2669
2670 \bidi@newrobustcmd*{\bidi@csappto}[1]{\expandafter\bidi@appto\csname#1\endcsname}
2671 \bidi@newrobustcmd*{\bidi@cseappto}[1]{\expandafter\bidi@eappto\csname#1\endcsname}
2672 \bidi@newrobustcmd*{\bidi@csgappto}[1]{\expandafter\bidi@gappto\csname#1\endcsname}
2673 \bidi@newrobustcmd*{\bidi@csxappto}[1]{\expandafter\bidi@xappto\csname#1\endcsname}
2674 \bidi@newrobustcmd*{\bidi@protected@cseappto}{\bidi@protected\bidi@cseappto}
2675 \bidi@newrobustcmd*{\bidi@protected@csxappto}{\bidi@protected\bidi@csxappto}
2676
2677
2678
2679 \bidi@newrobustcmd*{\bidi@cspreto}[1]{\expandafter\bidi@preto\csname#1\endcsname}
2680 \bidi@newrobustcmd*{\bidi@cssepreto}[1]{\expandafter\bidi@sepreto\csname#1\endcsname}
2681 \bidi@newrobustcmd*{\bidi@csgpreto}[1]{\expandafter\bidi@gpreto\csname#1\endcsname}
2682 \bidi@newrobustcmd*{\bidi@csxpreto}[1]{\expandafter\bidi@xpreto\csname#1\endcsname}
2683 \bidi@newrobustcmd*{\bidi@protected@cssepreto}{\bidi@protected\bidi@cssepreto}
2684 \bidi@newrobustcmd*{\bidi@protected@csxpreto}{\bidi@protected\bidi@csxpreto}
2685
2686
2687
2688 \bidi@newrobustcmd{\if@bidi@patchable}{%
2689   \bidi@dbg@trce\if@bidi@patchable
2690   \begingroup
2691   \@makeother\#%
2692   \@ifstar\bidi@ifpatchable@i\bidi@ifpatchable}
2693
2694 \long\def\bidi@ifpatchable#1#2{%
2695   \endgroup
2696   \bidi@dbg@init#1%
2697   \if@bidi@undef{#1}
2698     {\bidi@dbg@fail{def}\@secondoftwo}

```



```

2699 {\bidi@dbg@info{def}}%
2700 \if@bidi@defmacro{#1}
2701 {\bidi@dbg@info{mac}}%
2702 \bidi@ifscanable{#1}
2703 {\bidi@ifhashcheck{#2}
2704 {\bidi@dbg@info{tok}}%
2705 \bidi@ifpattern#1{#2}
2706 {\bidi@dbg@info{pat}}%
2707 \bidi@dbg@info{pos}\@firstoftwo}
2708 {\bidi@dbg@fail{pat}\@secondoftwo}}
2709 {\bidi@dbg@fail{hsh}\@secondoftwo}}
2710 {\bidi@dbg@fail{tok}\@secondoftwo}}
2711 {\bidi@dbg@fail{mac}\@secondoftwo}}}
2712
2713 \long\def\bidi@ifpatchable@i#1{%
2714 \endgroup
2715 \bidi@dbg@init#1%
2716 \if@bidi@undef{#1}
2717 {\bidi@dbg@fail{def}\@secondoftwo}
2718 {\bidi@dbg@info{def}}%
2719 \if@bidi@defmacro{#1}
2720 {\bidi@dbg@info{mac}}%
2721 \if@bidi@defparam{#1}
2722 {\bidi@dbg@info{prm}}%
2723 \bidi@ifscanable{#1}
2724 {\bidi@dbg@info{tok}}%
2725 \bidi@dbg@info{pos}\@firstoftwo}
2726 {\bidi@dbg@fail{tok}\@secondoftwo}}
2727 {\bidi@dbg@info{prl}}%
2728 \if@bidi@defprotected{#1}
2729 {\bidi@dbg@info{pro}}
2730 {}%
2731 \bidi@dbg@info{pos}\@firstoftwo}}
2732 {\bidi@dbg@fail{mac}\@secondoftwo}}}
2733
2734 \bidi@newrobustcmd*{\bidi@patchcmd}{%
2735 \bidi@dbg@trce\bidi@patchcmd
2736 \begingroup
2737 \@makeother\#%
2738 \bidi@@patchcmd}
2739
2740 \newcommand{\bidi@@patchcmd}[4][#####1]{%
2741 \bidi@ifpatchable#2{#3}
2742 {\bidi@dbg@succ{ret}}%
2743 \begingroup
2744 \edef\bidi@resrvda{%
2745 \def\noexpand\bidi@resrvda####1\detokenize{macro:}####2->####3&{%
2746 #1\def\string\bidi@resrvda\space####2{\noexpand\bidi@resrvdb####3&}}%
2747 \def\noexpand\bidi@resrvdb####1\detokenize{#3}####2&{%
2748 ####1\detokenize{#4}####2}%

```



```

2749     \edef\noexpand\bidiresrvda{%
2750         \noexpand\bidiresrvda\meaning#2&}}%
2751     \bidiresrvda
2752     \bidipatchcmd@scantoks\bidiresrvda
2753     \let#2\bidiresrvda
2754     \bidiundef\bidiresrvda
2755     \@firstoftwo}
2756     {\@secondoftwo}}
2757
2758 \def\bidipatchcmd@scantoks#1{%
2759     \edef\bidiresrvda\endgroup
2760     \unexpanded{\makeatletter\scantoks}{#1}%
2761     \catcode\number`\@=\the\catcode`\@ \relax}%
2762     \bidiresrvda}
2763
2764 \newcommand\bidisloaded[2] [] {
2765     \expandafter\ifx\csname if@bidi@#2loaded@\endcsname\relax
2766     \expandafter\newif\csname if@bidi@#2loaded@\endcsname
2767     \fi
2768     \@ifpackageloaded{#2}
2769     {\csname @bidi@#2loaded@true\endcsname #1}
2770     {\csname @bidi@#2loaded@false\endcsname}}
2771
2772 \protected\def\bidifscanable#1{%
2773     \begingroup
2774     \edef\bidiresrvda{%
2775         \def\noexpand\bidiresrvda####1\detokenize{macro}:####2->####3&{%
2776             ####1\def\string\bidiresrvda####2{####3}}}%
2777     \edef\noexpand\bidiresrvda{\noexpand\bidiresrvda\meaning#1&}}%
2778     \bidiresrvda
2779     \makeatletter
2780     \scantoks\expandafter{\bidiresrvda}%
2781     \expandafter\endgroup\ifx#1\bidiresrvda
2782     \expandafter\@firstoftwo
2783     \else
2784     \expandafter\@secondoftwo
2785     \fi}
2786
2787
2788 \protected\long\def\bidifhashcheck#1{%
2789     \begingroup
2790     \edef\bidiresrvda{\detokenize{#1}}}%
2791     \expandafter\endgroup
2792     \expandafter\bidifhashcheck@i\meaning\bidiresrvda&}
2793
2794 \edef\bidifhashcheck@i#1&{%
2795     \noexpand\expandafter
2796     \noexpand\bidifhashcheck@ii
2797     \noexpand\strip@prefix#1\string#\string#&}
2798

```



```

2799 \edef\bidii@ifhashcheck@ii{%
2800   \def\noexpand\bidii@ifhashcheck@ii##1\string#\string###2&{%
2801     \bidii@ifhashcheck@ii{\if@bidib@blank{#2}}
2802
2803
2804 \protected\long\def\bidii@ifpattern#1#2{%
2805   \begingroup
2806   \edef\bidii@resrvda{%
2807     \def\noexpand\bidii@resrvda####1\detokenize{#2}####2&{%
2808       \endgroup\noexpand\noexpand\noexpand\noexpand\if@bidib@blank{####2}}}%
2809   \edef\noexpand\bidii@resrvda{\noexpand\bidii@resrvda
2810     \expandafter\strip@prefix\meaning#1\detokenize{#2}&}%
2811   \noexpand\bidii@resrvda}
2812   \bidii@resrvda\@secondoftwo\@firstoftwo}
2813
2814
2815 \newcommand{\if@bidii@defparam}{%
2816 \long\edef\if@bidii@defparam#1{%
2817   \noexpand\expandafter\noexpand\bidii@ifdefparam
2818   \noexpand\meaning#1\detokenize{macro}:->&}
2819 \edef\bidii@ifdefparam{%
2820   \def\noexpand\bidii@ifdefparam##1\detokenize{macro}:##2->##3&}
2821 \bidii@ifdefparam{\bidii@notblank{#2}}
2822
2823
2824 \newcommand{\if@bidii@defprotected}{%
2825 \long\edef\if@bidii@defprotected#1{%
2826   \noexpand\expandafter\noexpand\bidii@ifdefprotected
2827   \noexpand\meaning#1\string\protected&}
2828 \edef\bidii@ifdefprotected{%
2829   \def\noexpand\bidii@ifdefprotected##1\string\protected##2&}
2830 \bidii@ifdefprotected{\bidii@notblank{#2}}
2831
2832
2833 \bidii@newrobustcmd{\bidii@undef}[1]{\let#1\bidii@undefined}
2834
2835 \let\bidii@dbg@trce\@gobble
2836 \let\bidii@dbg@init\@gobble
2837 \let\bidii@dbg@info\@gobble
2838 \let\bidii@dbg@succ\@gobble
2839 \let\bidii@dbg@fail\@gobble
2840
2841
2842
2843 \bidii@newrobustcmd*{\bidii@apptocmd}{%
2844   \bidii@dbg@trce\bidii@apptocmd
2845   \begingroup
2846   \@makeother\#%
2847   \bidii@hooktocmd\bidii@append}
2848

```



```

2849
2850
2851 \bidi@newrobustcmd*{\bidi@pretocmd}{%
2852   \bidi@dbg@trce\bidi@pretocmd
2853   \begingroup
2854   \@makeother\#%
2855   \bidi@hooktocmd\bidi@prepend}
2856
2857 \long\def\bidi@hooktocmd#1#2#3{%
2858   \endgroup
2859   \bidi@dbg@init#2%
2860   \if@bidi@undef{#2}
2861     {\bidi@dbg@fail{def}\@secondoftwo}
2862     {\bidi@dbg@info{def}%
2863       \if@bidi@defmacro{#2}
2864         {\bidi@dbg@info{mac}%
2865           \if@bidi@defparam{#2}
2866             {\bidi@dbg@info{prm}%
2867               \bidi@ifscanable{#2}
2868                 {\bidi@ifhashcheck{#3}
2869                   {\bidi@dbg@info{tok}%
2870                     \bidi@dbg@succ{ret}%
2871                     \bidi@hooktocmd#i#1#2{#3}%
2872                     \@firstoftwo}
2873                   {\bidi@dbg@fail{hsh}\@secondoftwo}}
2874                 {\bidi@dbg@fail{tok}\@secondoftwo}}
2875             {\bidi@dbg@info{prl}%
2876               \if@bidi@defprotected{#2}
2877                 {\bidi@dbg@info{pro}%
2878                   \bidi@dbg@succ{red}%
2879                   \protected}
2880                 {\bidi@dbg@succ{red}}}%
2881             \edef#2{#1{\bidi@expandonce#2}{\unexpanded{#3}}}%
2882             \@firstoftwo}}
2883     {\bidi@dbg@fail{mac}\@secondoftwo}}
2884
2885 \long\def\bidi@hooktocmd#i#1#2#3{%
2886   \begingroup
2887   \edef\bidi@resrvda{%
2888     \def\noexpand\bidi@resrvda####1\detokenize{macro}:####2->####3&{%
2889       ####1\def\string\bidi@resrvda\space####2{#1{####3}{\detokenize{#3}}}%
2890     \edef\noexpand\bidi@resrvda{%
2891       \noexpand\bidi@resrvda\meaning#2&}}%
2892   \bidi@resrvda
2893   \bidi@patchcmd@scantoks\bidi@resrvda
2894   \let#2\bidi@resrvda
2895   \bidi@undef\bidi@resrvda}
2896
2897 \long\def\bidi@append#1#2{#1#2}
2898 \long\def\bidi@prepend#1#2{#2#1}

```



```

2899
2900 \bidi@newrobustcmd*{\bidi@AtEndPreamble}{\bidi@gappto\bidi@endpreamblehook}
2901 \newcommand*{\bidi@endpreamblehook}{\}
2902
2903 \bidi@preto\document{%
2904   \endgroup
2905   \let\bidi@AtEndPreamble\@firstofone
2906   \bidi@endpreamblehook
2907   \protected\def\bidi@AtEndPreamble{\@notprerr\@gobble}%
2908   \bidi@undef\bidi@endpreamblehook
2909   \begingroup}
2910
2911 \bidi@newrobustcmd*{\bidi@AfterPreamble}{\AtBeginDocument}
2912 \bidi@AtEndPreamble{\let\bidi@AfterPreamble\@firstofone}
2913
2914 \bidi@newrobustcmd*{\bidi@AfterEndPreamble}{\bidi@gappto\bidi@afterendpreamblehook}
2915 \newcommand*{\bidi@afterendpreamblehook}{\}
2916
2917 \bidi@appto\document{%
2918   \let\bidi@AfterEndPreamble\@firstofone
2919   \bidi@afterendpreamblehook
2920   \protected\def\bidi@AfterEndPreamble{\@notprerr\@gobble}%
2921   \bidi@undef\bidi@afterendpreamblehook
2922   \ignorespaces}
2923
2924 \AtEndDocument{\let\bidi@AfterEndPreamble\@gobble}
2925
2926 \bidi@newrobustcmd*{\bidi@AfterEndDocument}{\bidi@gappto\bidi@afterenddocumenthook}
2927 \newcommand*{\bidi@afterenddocumenthook}{\}
2928
2929 \bidi@patchcmd\enddocument
2930   {\deadcycles}
2931   {\let\bidi@AfterEndDocument\@firstofone
2932     \bidi@afterenddocumenthook
2933     \deadcycles}
2934   {}
2935   {\let\bidi@@end\@@end
2936     \def\@@end{%
2937       \let\bidi@AfterEndDocument\@firstofone
2938       \bidi@afterenddocumenthook
2939       \bidi@@end}}
2940
2941 \bidi@newrobustcmd{\bidi@AtBeginEnvironment}[1]{%
2942   \bidi@csgappto{\bidi@begin@#1@hook}}
2943
2944 \bidi@patchcmd\begin
2945   {\csname #1\endcsname}
2946   {\bidi@csuse{\bidi@begin@#1@hook}%
2947     \csname #1\endcsname}
2948   {}

```




```

2949 {\bidi@warning{%
2950     Patching '\string\begin' failed!\MessageBreak
2951     '\string\bidi@AtBeginEnvironment' will not work\@gobble}}
2952
2953
2954
2955 \bidi@newrobustcmd{\bidi@AtEndEnvironment}[1]{%
2956     \bidi@csgappto{@bidi@end@#1@hook}}
2957
2958 \bidi@patchcmd\end
2959     {\csname end#1\endcsname}
2960     {\bidi@csuse{@bidi@end@#1@hook}}%
2961     \csname end#1\endcsname}
2962     {}
2963     {\bidi@warning{%
2964         Patching '\string\end' failed!\MessageBreak
2965         '\string\bidi@AtEndEnvironment' will not work\@gobble}}
2966
2967
2968
2969 \bidi@newrobustcmd{\bidi@BeforeBeginEnvironment}[1]{%
2970     \bidi@csgappto{@bidi@beforebegin@#1@hook}}
2971
2972 \bidi@pretocmd\begin
2973     {\bidi@csuse{@bidi@beforebegin@#1@hook}}
2974     {}
2975     {\bidi@warning{%
2976         Patching '\string\begin' failed!\MessageBreak
2977         '\string\bidi@BeforeBeginEnvironment' will not work\@gobble}}
2978
2979
2980
2981 \bidi@newrobustcmd{\bidi@AfterEndEnvironment}[1]{%
2982     \bidi@csgappto{@bidi@afterend@#1@hook}}
2983
2984 \bidi@patchcmd\end
2985     {\if@ignore}
2986     {\bidi@csuse{@bidi@afterend@#1@hook}}%
2987     {\if@ignore}
2988     {}
2989     {\bidi@warning{%
2990         Patching '\string\end' failed!\MessageBreak
2991         '\string\bidi@AfterEndEnvironment' will not work\@gobble}}
2992
2993 \CheckCommand{\InputIfFileExists}[2]{%
2994     \IfFileExists{#1}%
2995         {#2\@addtofilelist{#1}\@input \@filef@und}}
2996
2997 \renewcommand{\InputIfFileExists}[2]{%
2998     \begingroup\expandafter\expandafter\expandafter\endgroup

```



```

2999 \expandafter\ifx\csname #1-@bidi@alias\endcsname\relax
3000 \expandafter\@secondoftwo
3001 \else
3002 \bidi@replacefile@msg{\csname #1-@bidi@alias\endcsname}{#1}%
3003 \expandafter\@firstoftwo
3004 \fi
3005 {%
3006 \expandafter\InputIfFileExists\expandafter{\csname
3007 #1-@bidi@alias\endcsname}{#2}%
3008 }%
3009 {\IfFileExists{#1}{%
3010 \bidi@load@hook{before}{#1}%
3011 #2\@addtofilelist{#1}%
3012 \@@input \@filef@und
3013 \bidi@load@hook{after}{#1}%
3014 }}%
3015 }
3016
3017 \newcommand*{\bidi@@loadwithoptions}{%
3018 \newcommand*{\bidi@loadwithoptions}{%
3019 \let\bidi@loadwithoptions\loadwithoptions
3020
3021 \renewcommand*{\@loadwithoptions}[3]{%
3022 \begingroup\expandafter\expandafter\expandafter\endgroup
3023 \expandafter\ifx\csname #3.#1-@bidi@aliasname\endcsname\relax
3024 \def\bidi@@loadwithoptions{\bidi@loadwithoptions{#1}{#2}{#3}}%
3025 \else
3026 \bidi@replacefile@msg{\csname #3.#1-@bidi@aliasname\endcsname.#1}{#3.#1}%
3027 \def\bidi@@loadwithoptions{%
3028 \@loadwithoptions{#1}{#2}{\csname #3.#1-@bidi@aliasname\endcsname}}%
3029 }%
3030 \fi
3031 \bidi@@loadwithoptions
3032 }
3033
3034 \newcommand*{\bidi@onefilewithoptions}{%
3035 \let\bidi@onefilewithoptions\@onefilewithoptions
3036 \def\@onefilewithoptions#1[#2][#3]#4{%
3037 \begingroup\expandafter\expandafter\expandafter\endgroup
3038 \expandafter\ifx\csname #1.#4-@bidi@aliasname\endcsname\relax
3039 \def\bidi@@onefilewithoptions{\bidi@onefilewithoptions{#1}}%
3040 \else
3041 \bidi@replacefile@msg{\csname #1.#4-@bidi@aliasname\endcsname.#4}{#1.#4}%
3042 \edef\bidi@@onefilewithoptions{%
3043 \noexpand\@onefilewithoptions{\csname #1.#4-@bidi@aliasname\endcsname}}%
3044 \fi
3045 \bidi@@onefilewithoptions[[#2]][#3][#4}%
3046 \bidi@load@hook{lateafter}{#1.#4}%
3047 }
3048

```



```

3049 \newcommand*{\bidi@ReplaceInput}[2]{%
3050   \expandafter\edef\csname #1-@bidi@alias\endcsname{#2}%
3051 }
3052
3053 \newcommand*{\bidi@UnReplaceInput}[1]{%
3054   \ifcsname #1-@bidi@alias\endcsname
3055     \expandafter\let\csname #1-@bidi@alias\endcsname\relax
3056   \fi
3057 }
3058
3059 \newcommand*{\@bidi@replacefilewithext}[3]{%
3060   \expandafter\edef\csname #1.#3-@bidi@aliasname\endcsname{#2}%
3061 }
3062 \newcommand*{\bidi@ReplacePackage}[2]{%
3063   \@bidi@replacefilewithext{#1}{#2}\@pkgextension
3064 }
3065 \newcommand*{\bidi@ReplaceClass}[2]{%
3066   \@bidi@replacefilewithext{#1}{#2}\@clsextension
3067 }
3068 \newcommand*{\@bidi@unreplacefilewithext}[2]{%
3069   \ifcsname #1.#2-@bidi@aliasname\endcsname
3070     \expandafter\let\csname #1.#2-@bidi@aliasname\endcsname\relax
3071   \fi
3072 }
3073 \newcommand*{\bidi@UnReplacePackage}[1]{%
3074   \@bidi@unreplacefilewithext{#1}\@pkgextension
3075 }
3076 \newcommand*{\bidi@UnReplaceClass}[1]{%
3077   \@bidi@unreplacefilewithext{#1}\@clsextension
3078 }
3079 \newcommand*{\bidi@replacefile@msg}[2]{%
3080   \PackageInfo{biditools}{inputing `#1' instead of `#2'}%
3081 }
3082
3083 \newcommand*{\bidi@load@hook}[2]{%
3084   \@ifundefined{#2-@#1}{\}%
3085   \@nameuse{#2-@#1}%
3086   \expandafter\let\csname #2-@#1\endcsname=\relax}}
3087 \newcommand*{\bidi@set@load@hook}[2]{%
3088   \@ifundefined{#2-@#1}{\@namedef{#2-@#1}{\}}{\}%
3089   \expandafter\g@addto@macro\csname #2-@#1\endcsname}
3090 \newcommand*{\bidi@BeforeFile}{\bidi@set@load@hook{before}}
3091 \newcommand*{\bidi@AfterFile}{\bidi@set@load@hook{after}}
3092 \newcommand*{\bidi@BeforeClass}[1]{%
3093   \bidi@set@load@hook{before}{#1.\@clsextension}}
3094 \newcommand*{\bidi@AfterClass}{%
3095   \@ifstar {\@s@bidi@AfterClass}{%
3096     \@ifnextchar +{\@bidi@AfterClass}%
3097     \@ifnextchar !{\@@bidi@AfterClass\bidi@AfterClass
3098     }%

```



```

3099 }%
3100 }
3101
3102 \newcommand*{\@@@bidi@AfterClass}[2]{%
3103 \begingroup\ifx\csname #2.\@clsextension-h@@k\endcsname\relax
3104 \aftergroup\@s@bidi@AfterClass
3105 \else
3106 \aftergroup\bidi@AfterAtEndOfClass
3107 \fi
3108 \endgroup{#2}%
3109 }
3110
3111 \newcommand*{\bidi@AfterAtEndOfClass}[1]{%
3112 \bidi@set@load@hook{lateafter}{#1.\@clsextension}}
3113 \newcommand*{\@@bidi@AfterClass}[2]{%
3114 \begingroup
3115 \expandafter\ifx\csname #2.\@clsextension-h@@k\endcsname\relax
3116 \aftergroup\@s@bidi@AfterClass
3117 \else
3118 \aftergroup\bidi@AfterClass
3119 \fi
3120 \endgroup{#2}%
3121 }
3122
3123 \newcommand*{\@bidi@AfterClass}[1]{%
3124 \bidi@set@load@hook{after}{#1.\@clsextension}}
3125 \newcommand*{\@s@bidi@AfterClass}[1]{%
3126 \begingroup
3127 \@ifclassloaded{#1}{%
3128 \aftergroup\@secondoftwo
3129 }{%
3130 \aftergroup\bidi@AfterClass
3131 }%
3132 \endgroup
3133 {#1}%
3134 }
3135
3136
3137 \newcommand*{\bidi@BeforePackage}[1]{%
3138 \bidi@set@load@hook{before}{#1.\@pkgextension}}
3139 \newcommand*{\bidi@AfterPackage}{%
3140 \@ifstar {\@s@bidi@AfterPackage}{%
3141 \@ifnextchar +\@@bidi@AfterPackage{%
3142 \@ifnextchar !\@@@bidi@AfterPackage\bidi@AfterPackage
3143 }%
3144 }%
3145 }
3146 \newcommand*{\@@@bidi@AfterPackage}[2]{%
3147 \begingroup\ifx\csname #2.\@pkgextension-h@@k\endcsname\relax
3148 \aftergroup\@s@bidi@AfterPackage

```



```

3149 \else
3150   \aftergroup\bid@AfterAtEndOfPackage
3151 \fi
3152 \endgroup{#2}%
3153 }
3154 \newcommand*\bid@AfterAtEndOfPackage}[1]{%
3155   \bid@set@load@hook{lateafter}{#1.\@pkgextension}}
3156 \newcommand*\@bid@AfterPackage}[2]{%
3157   \begingroup
3158     \expandafter\ifx\csname #2.\@pkgextension-h@k\endcsname\relax
3159     \aftergroup\@s@bid@AfterPackage
3160   \else
3161     \aftergroup\@bid@AfterPackage
3162   \fi
3163   \endgroup{#2}%
3164 }
3165 \newcommand*\@bid@AfterPackage}[1]{%
3166   \bid@set@load@hook{after}{#1.\@pkgextension}}
3167 \newcommand*\@s@bid@AfterPackage}[1]{%
3168   \begingroup
3169     \@ifpackageloaded{#1}{%
3170       \aftergroup\@secondoftwo
3171     }{%
3172       \aftergroup\@bid@AfterPackage
3173     }%
3174   \endgroup
3175   {#1}%
3176 }
3177
3178 \newcommand*\bid@excludedpackages{}
3179 \let\bid@excludedpackages\@empty
3180 \newcommand*\bid@s@ved@RequirePackage{}
3181 \newcommand*\bid@PreventPackageFromLoading{%
3182   \@ifstar{\@bid@PreventPackageFromLoading\PackageInfo}%
3183   {\@bid@PreventPackageFromLoading\PackageWarning}%
3184 }
3185 \newcommand*\@bid@PreventPackageFromLoading}[1]{%
3186   \ifnextchar [%]
3187     {\@bid@PreventPackageFromLoading#1}{\@bid@PreventPackageFromLoading#1 []}%
3188 }
3189 \newcommand*\@bid@PreventPackageFromLoading{}
3190
3191 \def\@bid@PreventPackageFromLoading#1[#2]#3{%
3192   \edef\reserved@b{\zap@space#3 \@empty}%
3193   \ifx \reserved@b\@empty
3194     #1{biditools}{%
3195       \string\bid@PreventPackageFromLoading\space with empty packages\MessageBreak
3196       argument ignored%
3197     }%
3198   \else

```



```

3199 \ifx\bidix@excludedpackages\@empty
3200 \let\bidix@savex@RequirePackage\RequirePackage
3201 \let\RequirePackage\bidix@RequirePackage
3202 \def\reserved@a##1##{%
3203 \@latex@error
3204 {\noexpand \usepackage before \string\documentclass}%
3205 {\noexpand \usepackage may only appear in the document
3206 preamble, i.e.,\MessageBreak
3207 between \noexpand\documentclass and
3208 \string\begin{document}.}%
3209 \@gobble}%
3210 \ifx\reserved@a\usepackage\else
3211 \ifx\usepackage\bidix@savex@RequirePackage\else
3212 \PackageWarning{biditools}{%
3213 Maybe serious problem: unexpected definition of\MessageBreak
3214 \string\usepackage
3215 }%
3216 \fi
3217 \let\usepackage\RequirePackage
3218 \fi
3219 \fi
3220 \expandafter\@for \expandafter\reserved@a\expandafter:\expandafter=%
3221 \reserved@b\do {%
3222 \ifx\reserved@a\@empty
3223 #1{biditools}{%
3224 empty package argument for
3225 \string\bidix@PreventPackageFromLoading\MessageBreak
3226 ignored%
3227 }%
3228 \else
3229 \expandafter\@ifpackageloaded\expandafter{\reserved@a}{%
3230 #1{biditools}{%
3231 package `'\reserved@a' already loaded.\MessageBreak
3232 Cannot prevent it from being loaded%
3233 }%
3234 }{%
3235 \edef\bidix@excludedpackages{\bidix@excludedpackages,%
3236 \reserved@a}%
3237 \if\relax\detokenize{#2}\relax\else
3238 \@ifundefined{bidix@exclude@package@\reserved@a @do}{%
3239 \@namedef{bidix@exclude@package@\reserved@a @do}{}%
3240 }{}%
3241 \expandafter\def
3242 \csname bidix@exclude@package@\reserved@a
3243 @do\expandafter\expandafter\expandafter\endcsname
3244 \expandafter\expandafter\expandafter{%
3245 \csname bidix@exclude@package@\reserved@a @do\endcsname
3246 #2%
3247 }%
3248 \fi

```



```

3249     }%
3250     \fi
3251   }%
3252   \ifx\bidix@excludedpackages\@empty
3253     \bidix@ResetPreventPackageFromLoading
3254   \fi
3255 \fi
3256 }
3257
3258 \@onlypreamble\bidix@PreventPackageFromLoading
3259 \newcommand*{\bidix@ResetPreventPackageFromLoading}{%
3260   \let\bidix@excludedpackages\@empty
3261   \ifx\RequirePackage\bidix@RequirePackage
3262     \ifx\usepackage\RequirePackage
3263       \let\usepackage\bidix@saved@RequirePackage
3264     \fi
3265     \let\RequirePackage\bidix@saved@RequirePackage
3266   \fi
3267 }
3268 \@onlypreamble\bidix@ResetPreventPackageFromLoading
3269 \newcommand*{\bidix@StorePreventPackageFromLoading}[1]{%
3270   \let#1\bidix@excludedpackages
3271 }
3272 \@onlypreamble\bidix@StorePreventPackageFromLoading
3273 \newcommand*{\bidix@UnPreventPackageFromLoading}{%
3274   \@ifstar {\@tempswatrue\@bidix@UnPreventPackageFromLoading}%
3275             {\@tempswafalse\@bidix@UnPreventPackageFromLoading}%
3276 }
3277
3278 \newcommand*{\@bidix@UnPreventPackageFromLoading}[1]{%
3279   \edef\reserved@a{\zap@space#1 \@empty}%
3280   \if@tempswa
3281     \@for\reserved@a:=\reserved@a\do {%
3282       \ifx\reserved@a\@empty \else
3283         \ifcsname bidix@exclude@package@\reserved@a \do\endcsname
3284           \expandafter\let
3285             \csname bidix@exclude@package@\reserved@a \do\endcsname
3286             \undefined
3287         \fi
3288       \fi
3289     }%
3290   \fi
3291   \ifcsname bidix@excludedpackages\endcsname
3292     \let\reserved@a\bidix@excludedpackages
3293     \let\bidix@excludedpackages\@empty
3294     \expandafter\@for\expandafter\reserved@c
3295     \expandafter:\expandafter=\reserved@a
3296     \do{%
3297       \ifx\reserved@c\@empty\else
3298         \@expandtwoargs\in@{\reserved@c,}\reserved@c,%

```



```

3299     \ifin@
3300     \else
3301         \edef\bidix@excludedpackages{%
3302             \bidix@excludedpackages,\reserved@c
3303         }%
3304     \fi
3305 \fi
3306 }%
3307 \ifx\bidix@excludedpackages\@empty\bidix@ResetPreventPackageFromLoading\fi
3308 \fi
3309 }
3310
3311
3312 \newcommand*{\bidix@RequirePackage}[2][\]{%
3313     \let\reserved@c\@empty
3314     \let\reserved@d\@empty
3315     \edef\reserved@b{\zap@space#2 \@empty}%
3316     \expandafter\@for\expandafter\reserved@b\expandafter:\expandafter=\reserved@b
3317     \do {%
3318         \begingroup
3319         \@tempswatrue
3320         \@for\reserved@a:=\bidix@excludedpackages\do {%
3321             \ifx\reserved@a\reserved@b
3322                 \@tempswafalse
3323             \fi
3324         }%
3325         \if@tempswa
3326             \xdef\reserved@c{\reserved@c,\reserved@b}%
3327         \else
3328             \ifx\reserved@b\@empty\else
3329                 \PackageInfo{biditools}{Excluding package `'\reserved@b'\MessageBreak
3330                     from loading}%
3331                 \@ifundefined{bidix@exclude@package@\reserved@b @do}{%
3332                     }{%
3333                     \expandafter\g@addto@macro\expandafter\reserved@d
3334                     \csname bidix@exclude@package@\reserved@b @do\endcsname
3335                 }%
3336             \fi
3337         \fi
3338     \endgroup
3339 }%
3340 \ifx\reserved@c\@empty
3341     \let\reserved@a\bidix@gobbleopt
3342 \else
3343     \edef\reserved@a{\noexpand\bidix@saves@RequirePackage[#1]{%
3344         \expandafter\@gobble\reserved@c\@empty}}%
3345 \fi
3346 \expandafter\reserved@d
3347 \reserved@a
3348 }

```




```

3349
3350 \newcommand{\bidi@gobbleopt}[1] [] {}
3351 \AtEndDocument{%
3352   \let\bidi@saved@checkend=\@checkend
3353   \renewcommand*{\@checkend}[1]{%
3354     \def\reserved@a{#1}\def\reserved@b{document}%
3355     \bidi@saved@checkend{#1}%
3356     \ifx\reserved@a\reserved@b
3357       \let\bidi@saved@clearpage=\clearpage
3358       \renewcommand*{\clearpage}{\bidi@saved@clearpage
3359         \bidi@hook@bcma
3360         \bidi@restore@newpage
3361         \let\clearpage=\bidi@saved@clearpage}%
3362     \fi%
3363     \let\bidi@saved@dofilelist\@dofilelist
3364     \def\@dofilelist{%
3365       \bidi@hook@acma
3366       \let\@dofilelist\bidi@saved@dofilelist
3367       \bidi@saved@dofilelist
3368     }%
3369   }%
3370 }
3371
3372
3373 \newcommand*{\bidi@saved@checkend}{}
3374 \newcommand*{\bidi@saved@dofilelist}{}
3375 \newcommand*{\bidi@redefine@newpage}{}
3376 \let\bidi@saved@newpage\newpage
3377 \def\bidi@restore@newpage{%
3378   \renewcommand*{\newpage}{%
3379     \PackageWarningNoLine{%
3380       biditools%
3381     }{%
3382       \string\newpage\space at main aux file!\MessageBreak
3383       You have output material at the main aux file.\MessageBreak
3384       Note, that the \string\bidi@BeforeClosingMainAux\space commands\MessageBreak
3385       are processed before the output from aux file%
3386     }%
3387     \let\newpage\bidi@saved@newpage
3388     \newpage
3389   }%
3390 }%
3391 \renewcommand*{\newpage}{}
3392 \PackageError{%
3393   biditools%
3394 }{%
3395   \string\newpage\space at \string\bidi@BeforeClosingMainAux
3396 }{%
3397   You should never use \string\newpage\space or
3398   \string\clear(double)page or other output material at the\MessageBreak

```



```

3399     argument of \string\bidi@BeforeClosingMainAux!\MessageBreak
3400     If you'll continue, the \string\newpage\space will be ignored to
3401     avoid corruption of \MessageBreak
3402     every prior use of \string\bidi@BeforeClosingMainAux.
3403 }%
3404 }%
3405 }
3406
3407 \newcommand*{\bidi@restore@newpage}{}
3408 \newcommand*{\bidi@hook@bcma}{}
3409 \newcommand*{\bidi@hook@acma}{}
3410 \newcommand*{\bidi@BeforeClosingMainAux}{%
3411   \ifx\bidi@hook@bcma\@empty
3412     \gdef\bidi@hook@bcma{%
3413       \renewcommand*{\bidi@BeforeClosingMainAux}[1]{####1}%
3414       \let\protected@write\bidi@protected@immediate@write
3415       \bidi@redefine@newpage
3416     }%
3417   \fi
3418   \g@addto@macro\bidi@hook@bcma%
3419 }
3420
3421 \newcommand*{\bidi@AfterReadingMainAux}{%
3422   \ifx\bidi@hook@acma\@empty
3423     \gdef\bidi@hook@acma{%
3424       \renewcommand*{\bidi@AfterReadingMainAux}[1]{####1}%
3425       \let\protected@write\bidi@protected@immediate@write
3426     }%
3427   \fi
3428   \g@addto@macro\bidi@hook@acma%
3429 }
3430
3431 \long\def\bidi@protected@immediate@write#1#2#3{%
3432   \begingroup
3433     #2%
3434     \let\protect\@unexpandable@protect
3435     \edef\reserved@a{\immediate\write#1{#3}}%
3436     \reserved@a
3437   \endgroup
3438   \if@nobreak\ifvmode\nobreak\fi\fi
3439 }
3440
3441 \def\bidi@patch@counter{0}%
3442 \if@bidi@csundef{numexpr}{%
3443   \def\bidi@patch@stepcounter{%
3444     \begingroup
3445       \count@\bidi@patch@counter\relax
3446       \advance\count@\@ne\relax
3447     \edef\x{\endgroup
3448       \noexpand\def\noexpand\bidi@patch@counter{\the\count@}%

```



```

3449     }%
3450     \x
3451   }%
3452 }{%
3453   \def\bidipatch@stepcounter{%
3454     \edef\bidipatch@counter{%
3455       \the\numexpr\bidipatch@counter+\@ne\relax
3456     }%
3457   }%
3458 }
3459 \def\bidipatch@list{}
3460 \def\bidipatch@Add{%
3461   \bidipatch@list
3462 }
3463 \def\bidipatch@AfterPackage#1{%
3464   \ifpackageloaded{#1}{%
3465     \@firstofone
3466   }{%
3467     \bidipatch@AfterPackage{#1}%
3468   }%
3469 }
3470 \def\bidipatch@AfterPackage#1{%
3471   \edef\bidipatch@temp{#1}%
3472   \bidipatch@stepcounter
3473   \expandafter\bidipatch@@AfterPackage
3474   \csname \bidipatch@\bidipatch@counter\expandafter\endcsname{%
3475     \bidipatch@temp
3476   }%
3477 }
3478 \def\bidipatch@@AfterPackage#1#2#3{%
3479   \begingroup
3480   \toks@{#3}%
3481   \xdef\bidipatch@gtemp{%
3482     \noexpand\ifpackageloaded{#2}{%
3483       \noexpand\let\noexpand#1\noexpand\relax
3484       \the\toks@
3485     }{%
3486     }%
3487   \endgroup
3488   \let#1\bidipatch@gtemp
3489   \bidipatch@Add#1%
3490   \bidipatch@try{\bidipatch@AfterPackage}{#2}#1%
3491 }
3492
3493 \def\bidipatch@try#1#2#3{%
3494   \if@bidi@csundef{#1}{%
3495     \csname #1\endcsname{#2}{#3}%
3496   }%
3497 }
3498

```



```

3499 \AtBeginDocument{\bidi@patch@list}
3500
3501 \bidi@AtEndPreamble{\bidi@patch@list}%
3502
3503 \bidi@AfterEndPreamble{%
3504   \let\bidi@patch@OrgIfPackageLoaded\@ifpackageloaded
3505   \let\bidi@patch@OrgIfPackageLater\@ifpackagelater
3506   \let\bidi@patch@OrgIfClassLoaded\@ifclassloaded
3507   \let\bidi@patch@OrgIfClassLater\@ifclasslater
3508   \bidi@patch@list
3509   \let\@ifpackageloaded\bidi@patch@OrgIfPackageLoaded
3510   \let\@ifpackagelater\bidi@patch@OrgIfPackageLater
3511   \let\@ifclassloaded\bidi@patch@OrgIfClassLoaded
3512   \let\@ifclasslater\bidi@patch@OrgIfClassLater
3513 }%

```

7.22 bidiutfefloat.sty

```

3514 \NeedsTeXFormat{LaTeX2e}
3515 \ProvidesPackage{bidiutfefloat}[2011/06/14 v0.1
3516 bidi implementation of tufte float]
3517 \RequirePackage{xifthen}
3518 \newcommand{\@bidiutfefloat@pkgname}{bidiutfefloat}
3519 \newcommand{\bidiutfefloatError}[2]{\PackageError{\@bidiutfefloat@pkgname}{#1}{#2}}
3520 \newcommand{\bidiutfefloatDebugInfoNL}[1]{\ifthenelse{\boolean{\@bidiutfefloat@debug}}{\bidi
3521 \newcommand{\bidiutfefloatInfoNL}[1]{\PackageInfo{\@bidiutfefloat@pkgname}{#1\@gobble}}
3522 \newboolean{\@bidiutfefloat@RTLgeometry}
3523 \setboolean{\@bidiutfefloat@RTLgeometry}{true}
3524 \DeclareOption{RTLgeometry}{\setboolean{\@bidiutfefloat@RTLgeometry}{true}}
3525 \DeclareOption{LTRgeometry}{\setboolean{\@bidiutfefloat@RTLgeometry}{false}}
3526 \newboolean{\@bidiutfefloat@a4paper}
3527 \DeclareOption{a4paper}{\setboolean{\@bidiutfefloat@a4paper}{true}}
3528 \newboolean{\@bidiutfefloat@b5paper}
3529 \DeclareOption{b5paper}{\setboolean{\@bidiutfefloat@b5paper}{true}}
3530 \newboolean{\@bidiutfefloat@symmetric}
3531 \newboolean{\@bidiutfefloat@twoside}
3532 \DeclareOption{twoside}{%
3533 \@twosidetrue \mparswitchtrue%
3534 \setboolean{\@bidiutfefloat@twoside}{true}%
3535 \setboolean{\@bidiutfefloat@symmetric}{true}%
3536 }
3537 \DeclareOption{oneside}{%
3538 \@twosidefalse \mparswitchfalse%
3539 \setboolean{\@bidiutfefloat@twoside}{false}%
3540 \setboolean{\@bidiutfefloat@symmetric}{false}%
3541 }
3542 \ifclassloaded{book}{\ExecuteOptions{twoside}}{}
3543 \newboolean{\@bidiutfefloat@debug}
3544 \newcommand*{\@bidiutfefloat@caption@justification}{\@bidiutfefloat@justification@autodetect}
3545 \ProcessOptions

```



```

3546 %% Globally sets the length
3547 \newcommand*\gsetlength}[2]{%
3548   \setlength{#1}{#2}%
3549   \global#1=#1\relax%
3550 }
3551 %% Globally sets a boolean
3552 \newcommand*\gsetboolean}[2]{% based on code from ifthen pkg
3553   \lowercase{\def\@tempa{#2}}%
3554   \@ifundefined{\@tempa}{%
3555     {\PackageError{ifthen}{You can only set a boolean to `true' or `false'}\@ehc}%
3556     {\@ifundefined{#1\@tempa}%
3557       {\PackageError{ifthen}{Boolean #1 undefined}\@ehc}%
3558       {\global\csname#1\@tempa\endcsname}%
3559     }%
3560 }
3561 %% Set the font sizes and baselines to match bidentefloat's books
3562 \renewcommand\normalsize{%
3563   \@setfontsize\normalsize\@xpt{14}%
3564   \abovedisplayskip 10\p@ \@plus2\p@ \@minus5\p@
3565   \abovedisplayshortskip \z@ \@plus3\p@
3566   \belowdisplayshortskip 6\p@ \@plus3\p@ \@minus3\p@
3567   \belowdisplayskip \abovedisplayskip
3568   \let\@listi\@listI}
3569 \normalbaselineskip=14pt
3570 \normalsize
3571 \renewcommand\footnotesize{%
3572   \@setfontsize\footnotesize\@viipt{10}%
3573   \abovedisplayskip 6\p@ \@plus2\p@ \@minus4\p@
3574   \abovedisplayshortskip \z@ \@plus\p@
3575   \belowdisplayshortskip 3\p@ \@plus\p@ \@minus2\p@
3576   \def\@listi{\leftmargin\leftmarginI
3577     \topsep 3\p@ \@plus\p@ \@minus\p@
3578     \parsep 2\p@ \@plus\p@ \@minus\p@
3579     \itemsep \parsep}%
3580   \belowdisplayskip \abovedisplayskip
3581 }
3582 %% Paragraph indentation and separation for marginal text
3583 \newcommand{\@bidentefloat@margin@par}{%
3584   \setlength{\RaggedRightParindent}{0.5pc}%
3585   \setlength{\JustifyingParindent}{0.5pc}%
3586   \setlength{\parindent}{0.5pc}%
3587   \setlength{\parskip}{0pt}%
3588 }
3589 \RequirePackage{ragged2e}
3590 \ifthenelse{\boolean{@bidentefloat@RTLgeometry}}{%
3591   \RequirePackage[letterpaper,right=1in,top=1in,headsep=2\baselineskip,textwidth=26pc,marginpar]{ragged2e}
3592 }{\ifthenelse{\boolean{@bidentefloat@afourpaper}}{
3593   {\geometry{a4paper,right=24.8mm,top=27.4mm,headsep=2\baselineskip,textwidth=107mm,marginpar=10mm}}
3594   {}
3595 }{\ifthenelse{\boolean{@bidentefloat@bfivepaper}}{

```



```

3596 {\geometry{paperwidth=176mm,paperheight=250mm,right=14.66mm,top=13.88mm,textwidth=102.66mm,m
3597   {}}%
3598 \RequirePackage[letterpaper,left=1in,top=1in,headsep=2\baselineskip,textwidth=26pc,marginpars
3599 \ifthenelse{\boolean{@biditytfloat@a4paper}}
3600   {\geometry{a4paper,left=24.8mm,top=27.4mm,headsep=2\baselineskip,textwidth=107mm,marginparse
3601   {}
3602 \ifthenelse{\boolean{@biditytfloat@b5paper}}
3603   {\geometry{paperwidth=176mm,paperheight=250mm,left=14.66mm,top=13.88mm,textwidth=102.66mm,ma
3604   {}
3605 \ifthenelse{\boolean{@biditytfloat@symmetric}}
3606   {}
3607   {\geometry{asymmetric}}}% forces internal LaTeX `twoside'
3608 \setlength\marginparpush{10pt}
3609 %% Font for margin items
3610 \newcommand{\@biditytfloat@marginfont}{\normalfont\footnotesize}
3611 \newcommand*{\@biditytfloat@caption@font}{\@biditytfloat@marginfont}
3612 \newcommand*{\setcaptionfont}[1]{\renewcommand*{\@biditytfloat@caption@font}{#1}}
3613 \newcommand{\@biditytfloat@justification}{\justifying}%
3614 \setlength\abovedisplayskip{6pt plus 2pt minus 4pt}
3615 \setlength\belowdisplayskip{6pt plus 2pt minus 4pt}
3616 \newboolean{@biditytfloat@changepage}
3617 \IfFileExists{changepage.sty}{%
3618   \biditytfloatDebugInfoNL{Found changepage.sty}
3619   \RequirePackage[strict]{changepage}
3620   \setboolean{@biditytfloat@changepage}{true}
3621 }{%
3622   \biditytfloatDebugInfoNL{Found chngpage.sty}
3623   \RequirePackage[strict]{chngpage}
3624   \setboolean{@biditytfloat@changepage}{false}
3625 }
3626 \newboolean{@biditytfloat@odd@page}
3627 \setboolean{@biditytfloat@odd@page}{true}
3628 \newcommand*{\@biditytfloat@checkoddpag}{%
3629   \checkoddpag%
3630   \ifthenelse{\boolean{@biditytfloat@changepage}}{%
3631     \ifoddpag%
3632       \setboolean{@biditytfloat@odd@page}{true}%
3633     \else%
3634       \setboolean{@biditytfloat@odd@page}{false}%
3635     \fi%
3636   }{%
3637     \ifcpoddpag%
3638       \setboolean{@biditytfloat@odd@page}{true}%
3639     \else%
3640       \setboolean{@biditytfloat@odd@page}{false}%
3641     \fi%
3642   }%
3643 }
3644 \newlength{\@biditytfloat@overhang}% used by the fullwidth environment and the running heads
3645 \newlength{\@biditytfloat@fullwidth}

```



```

3646 \newlength{\@bidiutefloat@caption@fill}
3647 \newcommand{\bidiutefloatRecalculate}{%
3648   \setlength{\@bidiutefloat@overhang}{\marginparwidth}
3649   \addtolength{\@bidiutefloat@overhang}{\marginparsep}
3650
3651   \setlength{\@bidiutefloat@fullwidth}{\textwidth}
3652   \addtolength{\@bidiutefloat@fullwidth}{\marginparsep}
3653   \addtolength{\@bidiutefloat@fullwidth}{\marginparwidth}
3654
3655   \setlength{\@bidiutefloat@caption@fill}{\textwidth}
3656   \addtolength{\@bidiutefloat@caption@fill}{\marginparsep}
3657 }
3658 \AtBeginDocument{\bidiutefloatRecalculate}
3659 \RequirePackage{optparams}% provides multiple optional arguments for commands
3660 \RequirePackage{placeins}
3661 \newsavebox{\@bidiutefloat@margin@floatbox}
3662 \newenvironment{@bidiutefloat@margin@float}[2][1.2ex]%
3663 {\FloatBarrier% process all floats before this point so the figure/table numbers stay in order.
3664   \begin{lrbox}{\@bidiutefloat@margin@floatbox}%
3665   \begin{minipage}{\marginparwidth}%
3666     \@bidiutefloat@caption@font%
3667     \def\@captype{#2}%
3668     \hbox{}\vspace*{#1}%
3669     \@bidiutefloat@caption@justification%
3670     \@bidiutefloat@margin@par%
3671     \noindent%
3672   }
3673   {\end{minipage}%
3674   \end{lrbox}%
3675   \marginpar{\usebox{\@bidiutefloat@margin@floatbox}}%
3676 }
3677 \newenvironment{marginfigure}[1][1.2ex]%
3678 {\begin{@bidiutefloat@margin@float}[#1]{figure}}
3679 {\end{@bidiutefloat@margin@float}}
3680 \newenvironment{margintable}[1][1.2ex]%
3681 {\begin{@bidiutefloat@margin@float}[#1]{table}}
3682 {\end{@bidiutefloat@margin@float}}
3683 \newcommand*{\@bidiutefloat@justification@autodetect}{\justifying}%
3684
3685 \newcommand{\@bidiutefloat@float@debug@info}{}% contains debug info generated as the float is
3686 \newcommand{\@bidiutefloat@float@debug}[1]{% adds debug info to the queue for output
3687   \ifthenelse{\equal{\@bidiutefloat@float@debug@info}{}}%
3688     {\def\@bidiutefloat@float@debug@info{#1}}%
3689     {\g@addto@macro\@bidiutefloat@float@debug@info{\MessageBreak#1}}%
3690 }
3691 \newcommand{\floatalignment}{x}% holds the current float alignment (t, b, h, p)
3692 \newcommand{\setfloatalignment}[1]{\global\def\floatalignment{#1}\@bidiutefloat@float@debug}
3693 \newboolean{@bidiutefloat@float@recto}
3694 \newcommand{\forcerectofloat}{\gsetboolean{@bidiutefloat@float@recto}{true}\@bidiutefloat}
3695 \newcommand{\forceversofloat}{\gsetboolean{@bidiutefloat@float@recto}{false}\@bidiutefloat}

```



```

3696 \newsavebox{\@biditytfloat@figure@box}
3697 \newsavebox{\@biditytfloat@caption@box}
3698 \let\@biditytfloat@orig@float\@float
3699 \let\@biditytfloat@orig@endfloat\endfloat
3700 \newlength{\@biditytfloat@caption@vertical@offset}
3701 \setlength{\@biditytfloat@caption@vertical@offset}{0pt}
3702 \newcommand{\@biditytfloat@stored@shortcaption}{}
3703 \newcommand{\@biditytfloat@stored@caption}{}
3704 \newcommand{\@biditytfloat@stored@label}{}
3705 \long\def\@biditytfloat@caption[#1][#2]#3{%
3706   \ifthenelse{\isempty{#1}}{%
3707     \gdef\@biditytfloat@stored@shortcaption{#3}}%
3708     {\gdef\@biditytfloat@stored@shortcaption{#1}}%
3709   \gsetlength{\@biditytfloat@caption@vertical@offset}{-#2}% we want a positive offset to lower
3710   \gdef\@biditytfloat@stored@caption{#3}%
3711 }
3712 \newcommand{\@biditytfloat@label}[1]{%
3713   \gdef\@biditytfloat@stored@label{#1}%
3714 }
3715 \newcommand{\@biditytfloat@fps}{}
3716 \newboolean{\@biditytfloat@float@star}
3717 \newlength{\@biditytfloat@float@contents@width}
3718 \newenvironment{\@biditytfloat@float}[3][htbp]{%
3719   {% begin \@biditytfloat@float
3720     % Should this float be full-width or just text-width?
3721     \ifthenelse{\equal{#3}{star}}{%
3722       {\gsetboolean{\@biditytfloat@float@star}{true}}%
3723       {\gsetboolean{\@biditytfloat@float@star}{false}}%
3724     % Check page side (recto/verso) and store detected value -- can be overridden in environment cont
3725     \@biditytfloat@checkoddpag%
3726     \ifthenelse{\boolean{\@biditytfloat@odd@page}}{%
3727       {\gsetboolean{\@biditytfloat@float@recto}{true}}\@biditytfloat@float@debug{Detected page
3728       {\gsetboolean{\@biditytfloat@float@recto}{false}}\@biditytfloat@float@debug{Detected page
3729     % If the float placement specifier is 'b' and only 'b', then bottom-align the mini-pages, otherw
3730     \renewcommand{\@biditytfloat@fps}{#1}%
3731     \@biditytfloat@float@debug{Allowed positions: [ #1 ]}%
3732     \ifthenelse{\equal{#1}{b}\OR\equal{#1}{B}}{%
3733       {\renewcommand{\floatalignment}{b}}\@biditytfloat@float@debug{Presumed position: [bottom]
3734       {\renewcommand{\floatalignment}{t}}\@biditytfloat@float@debug{Presumed position: [top]}}%
3735     % Capture the contents of the \caption and \label commands to use later
3736     \global\let\@biditytfloat@orig@caption\caption%
3737     \global\let\@biditytfloat@orig@label\label%
3738     \renewcommand{\caption}{\optparams{\@biditytfloat@caption}{[] [Opt]}}%
3739     \renewcommand{\label}[1]{\@biditytfloat@label{##1}}%
3740     % Handle subfigure package compatibility
3741     \ifthenelse{\boolean{\@biditytfloat@packages@subfigure}}{%
3742       % don't move the label while inside a \subfigure or \subtable command
3743       \global\let\label\@biditytfloat@orig@label%
3744     }% subfigure package is not loaded
3745     \@biditytfloat@orig@float{#2}[#1]%

```




```

3746 \ifthenelse{\boolean{@biditytfloat@float@star}}%
3747 {\setlength{\@biditytfloat@float@contents@width}{\@biditytfloat@fullwidth}}%
3748 {\setlength{\@biditytfloat@float@contents@width}{\textwidth}}%
3749 \begin{lrbox}{\@biditytfloat@figure@box}%
3750 \begin{minipage}{\floatalignment}{\@biditytfloat@float@contents@width}\hbox{}%
3751 }{% end @biditytfloat@float
3752 \par\hbox{}\vspace{-\baselineskip}\ifthenelse{\prevdepth>0}{\vspace{-\prevdepth}}{}% align
3753 \end{minipage}%
3754 \end{lrbox}%
3755 % build the caption box
3756 \begin{lrbox}{\@biditytfloat@caption@box}%
3757 \begin{minipage}{\floatalignment}{\marginparwidth}\hbox{}%
3758 \ifthenelse{\NOT\equal{\@biditytfloat@stored@caption}{}}{\@biditytfloat@orig@caption}%
3759 \ifthenelse{\NOT\equal{\@biditytfloat@stored@label}{}}{\@biditytfloat@orig@label{\@b
3760 \par\vspace{-\prevdepth}}% TODO: DOUBLE-CHECK FOR SAFETY
3761 \end{minipage}%
3762 \end{lrbox}%
3763 % now typeset the stored boxes
3764 \begin{fullwidth}%
3765 \begin{minipage}{\floatalignment}{\linewidth}%
3766 \ifthenelse{\boolean{@biditytfloat@float@star}}%
3767 {\@biditytfloat@float@fullwidth[\@biditytfloat@caption@vertical@offset]{\@bidityt
3768 {\@biditytfloat@float@textwidth[\@biditytfloat@caption@vertical@offset]{\@bidityt
3769 \end{minipage}%
3770 \end{fullwidth}%
3771 \@biditytfloat@orig@endfloat% end original LaTeX float environment
3772 % output debug info
3773 \ifthenelse{\boolean{@biditytfloat@debug}}{%
3774 \typeout{^^J^^J----- biditytfloat package float information -----}%
3775 \ifthenelse{\equal{\@biditytfloat@stored@label}{}}%
3776 {\typeout{Warning: Float unlabeled!}}%
3777 {\typeout{Float label: [\@biditytfloat@stored@label]}}%
3778 \typeout{Page number: [\thepage]}%
3779 \def\MessageBreak{^^J}%
3780 \typeout{\@biditytfloat@float@debug@info}%
3781 \ifthenelse{\boolean{@biditytfloat@symmetric}}%
3782 {\typeout{Symmetric: [true]}}%
3783 {\typeout{Symmetric: [false]}}%
3784 \typeout{-----^^J^^J}%
3785 }{}%
3786 % reset commands and temp boxes and captions
3787 \gdef\@biditytfloat@float@debug@info{}%
3788 \let\caption\@biditytfloat@orig@caption%
3789 \let\label\@biditytfloat@orig@label%
3790 \begin{lrbox}{\@biditytfloat@figure@box}\hbox{}\end{lrbox}%
3791 \begin{lrbox}{\@biditytfloat@caption@box}\hbox{}\end{lrbox}%
3792 \gdef\@biditytfloat@stored@shortcaption{}%
3793 \gdef\@biditytfloat@stored@caption{}%
3794 \gdef\@biditytfloat@stored@label{}%
3795 \gsetlength{\@biditytfloat@caption@vertical@offset}{0pt}% reset caption offset

```



```

3796 }
3797 \newcommand{\@bidiutefloat@float@textwidth}[3][Opt]{%
3798 \ifthenelse{\NOT\boolean{@bidiutefloat@symmetric}}\OR\boolean{@bidiutefloat@float@recto}}%
3799 % asymmetric or page is odd, so caption is on the right
3800 \hbox{%
3801   \usebox{#2}%
3802   \hspace{\marginparsep}%
3803   \smash{\raisebox{#1}{\usebox{#3}}}%
3804 }
3805 \@bidiutefloat@float@debug{Caption position: [right]}%
3806 }{% symmetric pages and page is even, so caption is on the left
3807 \hbox{%
3808   \smash{\raisebox{#1}{\usebox{#3}}}%
3809   \hspace{\marginparsep}%
3810   \usebox{#2}%
3811 }
3812 \@bidiutefloat@float@debug{Caption position: [left]}%
3813 }%
3814 }
3815 \newcommand{\@bidiutefloat@float@fullwidth}[3][Opt]{%
3816 \ifthenelse{\equal{\floatalignment}{b}}%
3817 {% place caption above figure
3818 \ifthenelse{\NOT\boolean{@bidiutefloat@symmetric}}\OR\boolean{@bidiutefloat@float@recto}}%
3819 {\hfill\smash{\raisebox{#1}{\usebox{#3}}}\par\usebox{#2}\@bidiutefloat@float@debug{Caption position: [above]}}%
3820 {\smash{\raisebox{#1}{\usebox{#3}}}\hfill\par\usebox{#2}\@bidiutefloat@float@debug{Caption position: [below]}}%
3821 }{% place caption below figure
3822 \ifthenelse{\NOT\boolean{@bidiutefloat@symmetric}}\OR\boolean{@bidiutefloat@float@recto}}%
3823 {\usebox{#2}\par\hfill\smash{\raisebox{#1}{\usebox{#3}}}\@bidiutefloat@float@debug{Caption position: [below]}}%
3824 {\usebox{#2}\par\smash{\raisebox{#1}{\usebox{#3}}}\hfill\@bidiutefloat@float@debug{Caption position: [above]}}%
3825 }%
3826 }
3827 \renewenvironment{figure}[1][htbp]%
3828 {\ifvmode\else\unskip\fi\begin{@bidiutefloat@float}[#1]{figure}{}}
3829 {\end{@bidiutefloat@float}}
3830 \renewenvironment{table}[1][htbp]
3831 {\ifvmode\else\unskip\fi\begin{@bidiutefloat@float}[#1]{table}{}}
3832 {\end{@bidiutefloat@float}}
3833 \renewenvironment{figure*}[1][htbp]%
3834 {\ifvmode\else\unskip\fi\begin{@bidiutefloat@float}[#1]{figure}{star}}
3835 {\end{@bidiutefloat@float}}
3836 \renewenvironment{table*}[1][htbp]%
3837 {\ifvmode\else\unskip\fi\begin{@bidiutefloat@float}[#1]{table}{star}}
3838 {\end{@bidiutefloat@float}}
3839 \newenvironment{fullwidth}
3840 {\ifthenelse{\boolean{@bidiutefloat@symmetric}}%
3841 {\ifthenelse{\boolean{@bidiutefloat@change page}}{\begin{adjustwidth*}{- \@bidiutefloat@float@overhang}}%
3842 {\begin{adjustwidth}{- \@bidiutefloat@float@overhang}}}%
3843 }%
3844 {\ifthenelse{\boolean{@bidiutefloat@symmetric}}%
3845 {\ifthenelse{\boolean{@bidiutefloat@change page}}{\end{adjustwidth*}}{\end{adjustwidth}}}%

```



```

3846     {\end{adjustwidth}}}%
3847   }
3848 \long\def\@caption#1[#2]#3{%
3849   \par%
3850   \addcontentsline{\csname ext@#1\endcsname}{#1}%
3851     {\protect\numberline{\csname the#1\endcsname}{\ignorespaces #2}}%
3852   \begingroup%
3853     \@parboxrestore%
3854     \if@minipage%
3855       \setminipage%
3856     \fi%
3857     \@bidituftefloat@caption@font\@bidituftefloat@caption@justification%
3858     \noindent\csname fnum@#1\endcsname: \ignorespaces#3\par%
3859     %\@makecaption{\csname fnum@#1\endcsname}{\ignorespaces #3}\par
3860   \endgroup}
3861 %%
3862 % Turns newlines into spaces. Based on code from the `titlesec' package.
3863 \DeclareRobustCommand{\@biditufteheading@newlinetospace}{%
3864   \@ifstar{\@biditufteheading@newlinetospace@i}{\@biditufteheading@newlinetospace@i}%
3865 }
3866 \def\@biditufteheading@newlinetospace@i{%
3867   \ifdim\lastskip>\z@\else\space\fi
3868   \ignorespaces%
3869 }
3870 \DeclareRobustCommand{\newlinetospace}[1]{%
3871   \let\@biditufteheading@orig@cr\\% save the original meaning of \\
3872   \def\\{\@biditufteheading@newlinetospace}% turn \\ and \\* into \space
3873   \let\newline\\% turn \newline into \space
3874   #1%
3875   \let\\ \@biditufteheading@orig@cr% revert to original meaning of \\
3876 }
3877 \RequirePackage{fancyhdr}
3878 \pagestyle{fancy}
3879 \AtBeginDocument{%
3880   \ifthenelse{\boolean{@bidituftefloat@symmetric}}
3881     {\fancyhfoffset[LE,RO]{\@bidituftefloat@overhang}}
3882     {\fancyhfoffset[RE,RO]{\@bidituftefloat@overhang}}
3883 }
3884 % The running heads/feet don't have rules
3885 \renewcommand{\headrulewidth}{0pt}
3886 \renewcommand{\footrulewidth}{0pt}
3887 % The 'fancy' page style is the default style for all pages.
3888 \fancyhf{} % clear header and footer fields
3889   \ifthenelse{\boolean{@bidituftefloat@symmetric}}
3890     {\fancyhead[LE]{\thepage\quad\textsl{\newlinetospace{\plainauthor}}}%
3891       \fancyhead[RO]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}}%
3892     {\fancyhead[RE,RO]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}}%
3893 % The `plain' page style is used on chapter opening pages.
3894 % In Tufte's /Beautiful Evidence/ he never puts page numbers at the
3895 % bottom of pages -- the folios are unexpressed.

```



```

3896 \fancypagestyle{plain}{
3897   \fancyhf{} % clear header and footer fields
3898   % Uncomment the following five lines of code if you want the opening page
3899   % of the chapter to express the folio in the lower outside corner.
3900   % \ifthenelse{\boolean{@biditytfloat@symmetric}}{
3901   %   {\fancyfoot[LE,RO]{\thepage}}
3902   %   {\fancyfoot[RE,RO]{\thepage}}
3903 }
3904 % The `empty' page style suppresses all headers and footers.
3905 % It's used on title pages and `intentionally blank' pages.
3906 \fancypagestyle{empty}{
3907   \fancyhf{} % clear header and footer fields
3908 }
3909 \def\morefloats{% provides a total of 52 floats
3910   \ifthenelse{\isundefined{\bx@S}}{%
3911     \biditytfloatDebugInfoNL{Adding 34 more float slots.}
3912     \newinsert\bx@S
3913     \newinsert\bx@T
3914     \newinsert\bx@U
3915     \newinsert\bx@V
3916     \newinsert\bx@W
3917     \newinsert\bx@X
3918     \newinsert\bx@Y
3919     \newinsert\bx@Z
3920     \newinsert\bx@a
3921     \newinsert\bx@b
3922     \newinsert\bx@c
3923     \newinsert\bx@d
3924     \newinsert\bx@e
3925     \newinsert\bx@f
3926     \newinsert\bx@g
3927     \newinsert\bx@h
3928     \newinsert\bx@i
3929     \newinsert\bx@j
3930     \newinsert\bx@k
3931     \newinsert\bx@l
3932     \newinsert\bx@m
3933     \newinsert\bx@n
3934     \newinsert\bx@o
3935     \newinsert\bx@p
3936     \newinsert\bx@q
3937     \newinsert\bx@r
3938     \newinsert\bx@s
3939     \newinsert\bx@t
3940     \newinsert\bx@u
3941     \newinsert\bx@v
3942     \newinsert\bx@w
3943     \newinsert\bx@x
3944     \newinsert\bx@y
3945     \newinsert\bx@z

```



```

3946 \gdef\@freelist{\@elt\bx@A\@elt\bx@B\@elt\bx@C\@elt\bx@D\@elt\bx@E
3947 \@elt\bx@F\@elt\bx@G\@elt\bx@H\@elt\bx@I\@elt\bx@J
3948 \@elt\bx@K\@elt\bx@L\@elt\bx@M\@elt\bx@N
3949 \@elt\bx@O\@elt\bx@P\@elt\bx@Q\@elt\bx@R
3950 \@elt\bx@S\@elt\bx@T\@elt\bx@U\@elt\bx@V
3951 \@elt\bx@W\@elt\bx@X\@elt\bx@Y\@elt\bx@Z
3952 \@elt\bx@a\@elt\bx@b\@elt\bx@c\@elt\bx@d\@elt\bx@e
3953 \@elt\bx@f\@elt\bx@g\@elt\bx@h\@elt\bx@i\@elt\bx@j
3954 \@elt\bx@k\@elt\bx@l\@elt\bx@m\@elt\bx@n
3955 \@elt\bx@o\@elt\bx@p\@elt\bx@q\@elt\bx@r
3956 \@elt\bx@s\@elt\bx@t\@elt\bx@u\@elt\bx@v
3957 \@elt\bx@w\@elt\bx@x\@elt\bx@y\@elt\bx@z}%
3958 }{% we've already added another 34 floats, so we'll add 26 more, but that's it!
3959 \ifthenelse{isundefined{\bx@AA}}{%
3960 \bidituftefloatDebugInfoNL{Adding 26 more float slots.}
3961 \newinsert\bx@AA
3962 \newinsert\bx@BB
3963 \newinsert\bx@CC
3964 \newinsert\bx@DD
3965 \newinsert\bx@EE
3966 \newinsert\bx@FF
3967 \newinsert\bx@GG
3968 \newinsert\bx@HH
3969 \newinsert\bx@II
3970 \newinsert\bx@JJ
3971 \newinsert\bx@KK
3972 \newinsert\bx@LL
3973 \newinsert\bx@MM
3974 \newinsert\bx@NN
3975 \newinsert\bx@OO
3976 \newinsert\bx@PP
3977 \newinsert\bx@QQ
3978 \newinsert\bx@RR
3979 \newinsert\bx@SS
3980 \newinsert\bx@TT
3981 \newinsert\bx@UU
3982 \newinsert\bx@VV
3983 \newinsert\bx@WW
3984 \newinsert\bx@XX
3985 \newinsert\bx@YY
3986 \newinsert\bx@ZZ
3987 \gdef\@freelist{\@elt\bx@A\@elt\bx@B\@elt\bx@C\@elt\bx@D\@elt\bx@E
3988 \@elt\bx@F\@elt\bx@G\@elt\bx@H\@elt\bx@I\@elt\bx@J
3989 \@elt\bx@K\@elt\bx@L\@elt\bx@M\@elt\bx@N
3990 \@elt\bx@O\@elt\bx@P\@elt\bx@Q\@elt\bx@R
3991 \@elt\bx@S\@elt\bx@T\@elt\bx@U\@elt\bx@V
3992 \@elt\bx@W\@elt\bx@X\@elt\bx@Y\@elt\bx@Z
3993 \@elt\bx@a\@elt\bx@b\@elt\bx@c\@elt\bx@d\@elt\bx@e
3994 \@elt\bx@f\@elt\bx@g\@elt\bx@h\@elt\bx@i\@elt\bx@j
3995 \@elt\bx@k\@elt\bx@l\@elt\bx@m\@elt\bx@n

```



```

3996         \@elt\bx@o\@elt\bx@p\@elt\bx@q\@elt\bx@r
3997         \@elt\bx@s\@elt\bx@t\@elt\bx@u\@elt\bx@v
3998         \@elt\bx@w\@elt\bx@x\@elt\bx@y\@elt\bx@z
3999         \@elt\bx@AA\@elt\bx@BB\@elt\bx@CC\@elt\bx@DD\@elt\bx@EE
4000         \@elt\bx@FF\@elt\bx@GG\@elt\bx@HH\@elt\bx@II\@elt\bx@JJ
4001         \@elt\bx@KK\@elt\bx@LL\@elt\bx@MM\@elt\bx@NN
4002         \@elt\bx@OO\@elt\bx@PP\@elt\bx@QQ\@elt\bx@RR
4003         \@elt\bx@SS\@elt\bx@TT\@elt\bx@UU\@elt\bx@VV
4004         \@elt\bx@WW\@elt\bx@XX\@elt\bx@YY\@elt\bx@ZZ}%
4005     }{%
4006     \biditytfloatError{You may only call \string\morefloats\space twice. See the\MessageBreak
4007     {There are already 78 float slots allocated. Try using \string\FloatBarrier\space or\MessageBreak
4008     }%
4009   }%
4010 }
4011 \newboolean{@biditytfloat@packages@subfigure}
4012 \setboolean{@biditytfloat@packages@subfigure}{false}
4013 \AtBeginDocument{%
4014   \@ifpackageloaded{subfigure}
4015   {\gsetboolean{@biditytfloat@packages@subfigure}{true}}
4016   {\gsetboolean{@biditytfloat@packages@subfigure}{false}}%
4017 }
4018 \AtBeginDocument{%
4019   \@ifpackageloaded{float}{%
4020     % Save the redefined float environment (instead of the LaTeX float environment)
4021     \let\@biditytfloat@orig@float\float
4022     \let\@biditytfloat@orig@endfloat@endfloat
4023
4024     % Define Tuftian float styles (with the caption in the margin)
4025     \newcommand{\floatc@biditytfloatplain}[2]{%
4026       \begin{lrbox}{\@biditytfloat@caption@box}%
4027         \begin{minipage}{\floatalignment}{\marginparwidth}\hbox{%
4028           \@biditytfloat@caption@font{\@fs@cfont #1:} #2\par%
4029         }\end{minipage}%
4030       \end{lrbox}%
4031       \smash{\hspace{\@biditytfloat@caption@fill}\usebox{\@biditytfloat@caption@box}}%
4032     }
4033     \newcommand{\fs@biditytfloatplain}{%
4034       \def\@fs@cfont{\@biditytfloat@caption@font}%
4035       \let\@fs@capt\floatc@biditytfloatplain%
4036       \def\@fs@pre{}%
4037       \def\@fs@post{}%
4038       \def\@fs@mid{}%
4039       \let\@fs@iftopcapt\iftrue%
4040     }
4041     \let\fs@biditytfloatplaintop=\fs@biditytfloatplain
4042     \let\floatc@biditytfloatplaintop=\floatc@biditytfloatplain
4043     \newcommand\floatc@biditytfloatruled[2]{%
4044       {\@fs@cfont #1} #2\par%
4045     }

```



```

4046 \newcommand\fs@biditytfloatruled{%
4047   \def\@fs@cfont{\@biditytfloat@caption@font}%
4048   \let\@fs@capt\floatc@biditytfloatplain%
4049   \def\@fs@pre{\hrule height.8pt depth0pt width\textwidth \kern2pt}%
4050   \def\@fs@post{\kern2pt\hrule width\textwidth\relax}%
4051   \def\@fs@mid{}%
4052   \let\@fs@iftopcapt\iftrue%
4053 }
4054 \newcommand\fs@biditytfloatboxed{%
4055   \def\@fs@cfont{}%
4056   \let\@fs@capt\floatc@biditytfloatplain%
4057   \def\@fs@pre{%
4058     \setbox\@currbox\vbox{\hbadness10000
4059       \moveleft3.4pt\vbox{\advance\hsize by6.8pt
4060         \hrule \hbox to\hsize{\vrule\kern3pt
4061           \vbox{\kern3pt\box\@currbox\kern3pt}\kern3pt\vrule}\hrule}}
4062   }%
4063   \def\@fs@mid{\kern2pt}%
4064   \def\@fs@post{}%
4065   \let\@fs@iftopcapt\iftrue%
4066 }
4067 }{%
4068 % Nothing to do
4069 }
4070 }
4071 \AtBeginDocument{%
4072   \ifpackageloaded{algorithm}{%
4073     % Set the float style to the Tufte version
4074     \ifthenelse{\equal{\ALG@floatstyle}{plain}}{\OR\equal{\ALG@floatstyle}{ruled}}{\OR\equal{\ALG@floatstyle}{boxed}}{\ALG@floatstyle=tufte}
4075     \biditytfloatInfoNL{Switching algorithm float style from \ALG@floatstyle\MessageBreak to tufte}
4076     \floatstyle{biditytfloat\ALG@floatstyle}%
4077     \restylefloat{algorithm}%
4078   }{%
4079   }{%
4080 % Nothing to do
4081   }
4082 }
4083 \PassOptionsToPackage{caption=false}{subfig}

```

7.23 biditytfloatsidenote.sty

```

4084 \NeedsTeXFormat{LaTeX2e}
4085 \ProvidesPackage{biditytfloatsidenote}[2015/04/30 v0.3
4086 bidi implementation of tufte sidenote]
4087 \RequirePackage{xifthen}
4088 \RequirePackage{ragged2e}
4089 \RequirePackage{setspace}
4090 \RequirePackage{biditytools}
4091 \def\biditytfloatsidenotemarginpar{%
4092   \ifhmode

```



```

4093 \@bsphack
4094 \@floatpenalty -\@Mii
4095 \else
4096 \@floatpenalty-\@Miii
4097 \fi
4098 \ifinner
4099 \@parmoderr
4100 \@floatpenalty\z@
4101 \else
4102 \@next\@currbox\@freelist{}\}%
4103 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
4104 {\@floatpenalty\z@
4105 \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
4106 \fi
4107 \@ifnextchar [\@biditytesidenotexmpar\@biditytesidenoteympar}
4108 \long\def\@biditytesidenotexmpar[#1]#2{%
4109 \@biditytesidenotesavemarbox\@marbox{#1}%
4110 \@biditytesidenotesavemarbox\@currbox{#2}%
4111 \@xympar}
4112 \long\def\@biditytesidenoteympar#1{%
4113 \@biditytesidenotesavemarbox\@marbox{#1}%
4114 \global\setbox\@currbox\copy\@marbox
4115 \@xympar}
4116 \long\def \@biditytesidenotesavemarbox #1#2{%
4117 \global\setbox #1%
4118 \color@vbox
4119 \vtop{%
4120 \hsize\marginparwidth
4121 \@parboxrestore
4122 \@biditytesidenotemarginparreset
4123 #2%
4124 \@minipagefalse
4125 \outer@nobreak
4126 }%
4127 \color@endbox
4128 }
4129 \def \@biditytesidenotemarginparreset {%
4130 \reset@font
4131 \normalsize
4132 \@minipagetrue
4133 \everypar{\@minipagefalse\everypar{}\if@RTL@footnote\beginR\else\beginL\fi}%
4134 }
4135 \def\LTRbiditytesidenotemarginpar{%
4136 \ifhmode
4137 \@bsphack
4138 \@floatpenalty -\@Mii
4139 \else
4140 \@floatpenalty-\@Miii
4141 \fi
4142 \ifinner

```




```

4143 \@parmoderr
4144 \@floatpenalty\z@
4145 \else
4146 \@next\@currbox\@freelist{}\}%
4147 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
4148 {\@floatpenalty\z@
4149 \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}}%
4150 \fi
4151 \@ifnextchar [\@LTRbidityftesidenotexmpar\@LTRbidityftesidenoteympar}
4152 \long\def\@LTRbidityftesidenotexmpar[#1]#2{%
4153 \@LTRbidityftesidenotesavemarbox\@marbox{#1}%
4154 \@LTRbidityftesidenotesavemarbox\@currbox{#2}%
4155 \@xympar}
4156 \long\def\@LTRbidityftesidenoteympar#1{%
4157 \@LTRbidityftesidenotesavemarbox\@marbox{#1}%
4158 \global\setbox\@currbox\copy\@marbox
4159 \@xympar}
4160 \long\def \@LTRbidityftesidenotesavemarbox #1#2{%
4161 \global\setbox #1%
4162 \color@vbox
4163 \vtop{%
4164 \hsize\marginparwidth
4165 \@parboxrestore
4166 \@LTRbidityftesidenotemarginparreset
4167 #2%
4168 \@minipagefalse
4169 \outer@nobreak
4170 }%
4171 \color@endbox
4172 }
4173 \def \@LTRbidityftesidenotemarginparreset {%
4174 \reset@font
4175 \normalsize
4176 \@minipagetrue
4177 \everypar{\@minipagefalse\everypar{}\beginL}%
4178 }
4179 \def\RTLbidityftesidenotemarginpar{%
4180 \ifhmode
4181 \@bsphack
4182 \@floatpenalty -\@Mii
4183 \else
4184 \@floatpenalty-\@Miii
4185 \fi
4186 \ifinner
4187 \@parmoderr
4188 \@floatpenalty\z@
4189 \else
4190 \@next\@currbox\@freelist{}\}%
4191 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
4192 {\@floatpenalty\z@

```



```

4193 \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
4194 \fi
4195 \ifnextchar [\@RTLbidityftesidenotexmpar\@RTLbidityftesidenoteympar}
4196 \long\def\@RTLbidityftesidenotexmpar[#1]#2{%
4197 \@RTLbidityftesidenotesavemarbox\@marbox{#1}%
4198 \@RTLbidityftesidenotesavemarbox\@currbox{#2}%
4199 \@xympar}
4200 \long\def\@RTLbidityftesidenoteympar#1{%
4201 \@RTLbidityftesidenotesavemarbox\@marbox{#1}%
4202 \global\setbox\@currbox\copy\@marbox
4203 \@xympar}
4204 \long\def \@RTLbidityftesidenotesavemarbox #1#2{%
4205 \global\setbox #1%
4206 \color@vbox
4207 \vtop{%
4208 \hsize\marginparwidth
4209 \@parboxrestore
4210 \@RTLbidityftesidenotemarginparreset
4211 #2%
4212 \@minipagefalse
4213 \outer@nobreak
4214 }%
4215 \color@endbox
4216 }
4217 \def \@RTLbidityftesidenotemarginparreset {%
4218 \reset@font
4219 \normalsize
4220 \@minipagetrue
4221 \everypar{\@minipagefalse\everypar{}\beginR}%
4222 }
4223 \newcommand{\@bidityftesidenote@marginfont}{\normalfont\footnotesize}
4224 \newcommand*{\@bidityftesidenote@sidenote@font}{\@bidityftesidenote@marginfont}
4225 \newcommand*{\@bidityftesidenote@marginnote@font}{\@bidityftesidenote@marginfont}
4226 \newcommand*{\@bidityftesidenote@citation@font}{\@bidityftesidenote@marginfont}
4227 \newcommand*{\@bidityftesidenote@LTrsidenote@citation@font}{\@bidityftesidenote@marginfont}
4228 \newcommand*{\setsidenote@font}[1]{\renewcommand*{\@bidityftesidenote@sidenote@font}{#1}}
4229 \newcommand*{\setmarginnote@font}[1]{\renewcommand*{\@bidityftesidenote@marginnote@font}{#1}}
4230 \newcommand*{\setcitationfont}[1]{\renewcommand*{\@bidityftesidenote@citation@font}{#1}}
4231 \newcommand*{\setLTrcitationfont}[1]{\renewcommand*{\@bidityftesidenote@LTrsidenote@citation@font}{#1}}
4232 \newcommand*{\@bidityftesidenote@sidenote@justification}{\@bidityftesidenote@justification@au}
4233 \newcommand*{\@bidityftesidenote@marginnote@justification}{\@bidityftesidenote@justification@au}
4234 \newcommand*{\@bidityftesidenote@citation@justification}{\@bidityftesidenote@justification@au}
4235 \newcommand*{\@bidityftesidenote@justification@autodetect}{\justifying}%
4236 \newcommand{\@bidityftesidenote@margin@par}{%
4237 \setlength{\RaggedRightParindent}{0.5pc}%
4238 \setlength{\JustifyingParindent}{0.5pc}%
4239 \setlength{\parindent}{0.5pc}%
4240 \setlength{\parskip}{0pt}%
4241 }
4242 %%

```



```

4243 % Globally sets the length
4244 \@ifundefined{gsetlength}{%
4245 \newcommand*{\gsetlength}[2]{%
4246 \setlength{#1}{#2}%
4247 \global#1=#1\relax%
4248 }%
4249 }{}
4250 %%
4251 % Globally sets a boolean
4252 \@ifundefined{gsetboolean}{%
4253 \newcommand*{\gsetboolean}[2]{% based on code from ifthen pkg
4254 \lowercase{\def\@tempa{#2}}%
4255 \@ifundefined{@tempwa\@tempa}%
4256 {\PackageError{ifthen}{You can only set a boolean to `true' or `false'}\@ehc}%
4257 {\@ifundefined{#1\@tempa}%
4258 {\PackageError{ifthen}{Boolean #1 undefined}\@ehc}%
4259 {\global\csname#1\@tempa\endcsname}%
4260 }%
4261 }%
4262 }{}
4263 %%
4264 % A function that removes leading and trailing spaces from the supplied macro.
4265 % Based on code written by Michael Downes (See ``Around the Bend'', #15.)
4266 % Executing \@bidiuftesidenote@trim@spaces\xyzy will result in the contents of \xyzy
4267 % being trimmed of leading and trailing white space.
4268 \catcode\Q=3
4269 \def\@bidiuftesidenote@trim@spaces#1{%
4270 % Use grouping to emulate a multi-token afterassignment queue
4271 \begingroup%
4272 % Put \toks 0 {' into the afterassignment queue
4273 \aftergroup\toks\aftergroup0\aftergroup{%
4274 % Apply \trimb to the replacement text of #1, adding a leading
4275 % \noexpand to prevent brace stripping and to serve another purpose
4276 % later.
4277 \expandafter\@bidiuftesidenote@trim@b\expandafter\noexpand#1Q Q}%
4278 % Transfer the trimmed text back into #1.
4279 \edef#1{\the\toks0}%
4280 }
4281 % \trimb removes a trailing space if present, then calls \@bidiuftesidenote@trim@c to
4282 % clean up any leftover bizarre Qs, and trim a leading space. In
4283 % order for \trimc to work properly we need to put back a Q first.
4284 \def\@bidiuftesidenote@trim@b#1 Q{\@bidiuftesidenote@trim@c#1Q}
4285 % Execute \vfuzz assignment to remove leading space; the \noexpand
4286 % will now prevent unwanted expansion of a macro or other expandable
4287 % token at the beginning of the trimmed text. The \endgroup will feed
4288 % in the \aftergroup tokens after the \vfuzz assignment is completed.
4289 \def\@bidiuftesidenote@trim@c#1Q#2{\afterassignment\endgroup \vfuzz\the\vfuzz#1}
4290 \catcode\Q=11
4291 %%
4292 % Citations should go in the margin as sidenotes

```



```

4293
4294 \RequirePackage{natbib}
4295 \RequirePackage{bibentry}      % allows bibitems to be typeset outside the bibliography environment
4296 % Redefine the \BR@b@bibitem command to fix a bug with bibentry+chicago style
4297 \renewcommand\BR@b@bibitem[2] [] {%
4298   \ifthenelse{\isempty{#1}}{%
4299     {\BR@bibitem{#2}}%
4300     {\BR@bibitem{#1}{#2}}%
4301   \BR@c@bibitem{#2}%
4302 }
4303 \bidi@AtEndPreamble{\nobibliography*}      % pre-loads the bibliography keys
4304 %%
4305 % Normal \cite behavior
4306 \newcounter{@bidityftesidenote@num@bibkeys}%
4307 \newcommand{\@bidityftesidenote@normal@cite}[2] [Opt]{%
4308   % Snag the last bibentry in the list for later comparison
4309   \let\@temp@last@bibkey\empty%
4310   \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
4311   \sidenote[] [1]{%
4312     % Loop through all the bibentries, separating them with semicolons and spaces
4313     \normalsize\normalfont\@bidityftesidenote@citation@font%
4314     \setcounter{@bidityftesidenote@num@bibkeys}{0}%
4315     \@for\@temp@bibkeyx:=#2\do{%
4316       \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
4317         {\ifthenelse{\equal{\value{@bidityftesidenote@num@bibkeys}}{0}}{\}{and\ }}%
4318         \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4319         \bibentry{\@temp@bibkeyx}%
4320         {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4321         \bibentry{\@temp@bibkeyx};\ }}%
4322       \stepcounter{@bidityftesidenote@num@bibkeys}%
4323     }%
4324   }%
4325 }
4326 \newcommand{\@bidityfteLTRsidenote@normal@cite}[2] [Opt]{%
4327   % Snag the last bibentry in the list for later comparison
4328   \let\@temp@last@bibkey\empty%
4329   \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
4330   \LTRsidenote[] [1]{%
4331     % Loop through all the bibentries, separating them with semicolons and spaces
4332     \normalsize\normalfont\@bidityfteLTRsidenote@citation@font%
4333     \setcounter{@bidityftesidenote@num@bibkeys}{0}%
4334     \@for\@temp@bibkeyx:=#2\do{%
4335       \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
4336         {\ifthenelse{\equal{\value{@bidityftesidenote@num@bibkeys}}{0}}{\}{and\ }}%
4337         \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4338         \bibentry{\@temp@bibkeyx}%
4339         {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4340         \bibentry{\@temp@bibkeyx};\ }}%
4341       \stepcounter{@bidityftesidenote@num@bibkeys}%
4342     }%

```



```

4343 }%
4344 }
4345 \newcommand{\@bidityftesidenote@normal@cite}[2][Opt]{%
4346 % Snag the last bibentry in the list for later comparison
4347 \let\@temp@last@bibkey\empty%
4348 \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
4349 \RTLsidenote[] [#1]{%
4350 % Loop through all the bibentries, separating them with semicolons and spaces
4351 \normalsize\normalfont\@bidityftesidenote@citation@font%
4352 \setcounter{\@bidityftesidenote@num@bibkeys}{0}%
4353 \@for\@temp@bibkeyx:=#2\do{%
4354 \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}%
4355 {\ifthenelse{\equal{\value{\@bidityftesidenote@num@bibkeys}}{0}}{\and\ }%
4356 \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4357 \bibentry{\@temp@bibkeyx}}%
4358 {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4359 \bibentry{\@temp@bibkeyx};\ }%
4360 \stepcounter{\@bidityftesidenote@num@bibkeys}%
4361 }%
4362 }%
4363 }
4364 %%
4365 % Macros for holding the list of cite keys until after the \sidenote
4366 \gdef\@bidityftesidenote@citations{}% list of cite keys
4367 \newcommand\@bidityftesidenote@add@citation[1]{\relax% adds a new bibkey to the list of cite keys
4368 \ifx\@bidityftesidenote@citations\empty\else
4369 \g@addto@macro\@bidityftesidenote@citations{,}% separate by commas
4370 \fi
4371 \g@addto@macro\@bidityftesidenote@citations{#1}
4372 }
4373 \newcommand{\@bidityftesidenote@print@citations}[1][Opt]{% puts the citations in a margin note
4374 % Snag the last bibentry in the list for later comparison
4375 \let\@temp@last@bibkey\empty%
4376 \@for\@temp@bibkey:=\@bidityftesidenote@citations\do{\let\@temp@last@bibkey\@temp@bibkey}%
4377 \marginpar{%
4378 \hbox{\vspace*{#1}%
4379 \@bidityftesidenote@citation@font%
4380 \@bidityftesidenote@citation@justification%
4381 \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
4382 \vspace*{-1\baselineskip}}%
4383 % Loop through all the bibentries, separating them with semicolons and spaces
4384 \setcounter{\@bidityftesidenote@num@bibkeys}{0}%
4385 \@for\@temp@bibkeyx:=\@bidityftesidenote@citations\do{%
4386 \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}%
4387 {\ifthenelse{\equal{\value{\@bidityftesidenote@num@bibkeys}}{0}}{\and\ }%
4388 \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4389 \bibentry{\@temp@bibkeyx}}%
4390 {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4391 \bibentry{\@temp@bibkeyx};\ }%
4392 \stepcounter{\@bidityftesidenote@num@bibkeys}%

```



```

4393 }%
4394 }%
4395 }
4396 %%
4397 % \cite behavior when executed within a sidenote
4398 \newcommand{\@bidiuftesidenote@sidenote@citations}{}% contains list of \cites in sidenote
4399 \newcommand{\@bidiuftesidenote@infootnote@cite}[1]{%
4400   \@bidiuftesidenote@add@citation{#1}
4401 }
4402 %%
4403 % Set the default \cite style. This is set and reset by the \sidenote command.
4404 \let\cite\@bidiuftesidenote@normal@cite
4405 \let\LTRcite\@bidiufteLTRsidenote@normal@cite
4406 \let\RTLcite\@bidiufteRTLSidenote@normal@cite
4407 %%
4408 % Transform existing \footnotes into \sidenotes
4409 % Sidenote: ``Where God meant footnotes to go.' ' ---bidiuftesidenote
4410 \RequirePackage{optparams}% for our new sidenote commands -- provides multiple optional arguments
4411 \providecommand{\footnotelayout}{\@bidiuftesidenote@sidenote@font\@bidiuftesidenote@sidenote@
4412 \renewcommand{\footnotelayout}{\@bidiuftesidenote@sidenote@font\@bidiuftesidenote@sidenote@
4413 % Override footmisc's definition to set the sidenote marks (numbers) inside the
4414 % sidenote's text block.
4415 \bidi@patch@AfterPackage{bidi}{\long\def\@makefnmark{\@textsuperscript{\@bidiuftesidenote@
4416 % Set the in-text footnote mark in the same typeface as the body text itself.
4417 \bidi@patch@AfterPackage{bidi}{\def\@makefnmark{\hbox{\@textsuperscript{\normalfont\footnotes
4418 \providecommand*\@multiplefootnotemarker}{3sp}
4419 \providecommand*\multfootsep}{,}
4420 \bidi@patch@AfterPackage{bidi}{%
4421 \renewcommand{\@footnotemark}{%
4422   \leavevmode%
4423   \ifhmode%
4424     \edef\x@sf{\the\spacefactor}%
4425     \@bidiuftesidenote@check@multiple@sidenotes%
4426     \nobreak%
4427     \fi%
4428     \@makefnmark%
4429     \ifhmode\spacefactor\x@sf\fi%
4430     \relax%
4431 }%
4432 }
4433 \newcommand{\@bidiuftesidenote@check@multiple@sidenotes}{%
4434   \ifdim\lastkern=\multiplefootnotemarker\relax%
4435     \edef\x@sf{\the\spacefactor}%
4436     \unkern%
4437     \textsuperscript{\multfootsep}%
4438     \spacefactor\x@sf\relax%
4439   \fi
4440 }
4441 \bidi@patch@AfterPackage{bidi}{%
4442 \renewcommand\@footnotetext[2][0pt]{%

```



```

4443 \bidityftesidenotemarginpar{%
4444   \hbox{}\vspace*{#1}%
4445   \def\baselinestretch {\setspace@singlespace}%
4446   \reset@font\footnotesize%
4447   \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
4448   \vspace*{-1\baselineskip}\noindent%
4449   \protected@edef\@currentlabel{%
4450     \csname p@footnote\endcsname\@thefnmark%
4451   }%
4452   \color@begingroup%
4453     \makefnfntext{%
4454       \ignorespaces#2%
4455     }%
4456   \color@endgroup%
4457 }%
4458 }%
4459 \renewcommand\@LTRfootnotetext[2][0pt]{%
4460   \LTRbidityftesidenotemarginpar{%
4461     \hbox{}\vspace*{#1}%
4462     \def\baselinestretch {\setspace@singlespace}%
4463     \reset@font\footnotesize%
4464     \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
4465     \vspace*{-1\baselineskip}\noindent%
4466     \protected@edef\@currentlabel{%
4467       \csname p@footnote\endcsname\@thefnmark%
4468     }%
4469     \color@begingroup%
4470       \makefnfntext{%
4471         \ignorespaces#2%
4472       }%
4473     \color@endgroup%
4474   }%
4475 }%
4476 \renewcommand\@RTLfootnotetext[2][0pt]{%
4477   \RTLbidityftesidenotemarginpar{%
4478     \hbox{}\vspace*{#1}%
4479     \def\baselinestretch {\setspace@singlespace}%
4480     \reset@font\footnotesize%
4481     \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
4482     \vspace*{-1\baselineskip}\noindent%
4483     \protected@edef\@currentlabel{%
4484       \csname p@footnote\endcsname\@thefnmark%
4485     }%
4486     \color@begingroup%
4487       \makefnfntext{%
4488         \ignorespaces#2%
4489       }%
4490     \color@endgroup%
4491   }%
4492 }%

```



```

4493 }
4494 %
4495 % Define \sidenote command. Can handle \cite.
4496 \newlength{\@bidityftesidenote@sidenote@vertical@offset}
4497 \setlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}
4498 % #1 = footnote num, #2 = vertical offset, #3 = footnote text
4499 \long\def\@bidityftesidenote@sidenote[#1][#2]#3{%
4500 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
4501 \gdef\@bidityftesidenote@citations{}% clear out any old citations
4502 \ifthenelse{\NOT\isempty{#2}}{%
4503 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
4504 }{%
4505 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
4506 }%
4507 \ifthenelse{\isempty{#1}}{%
4508 % no specific footnote number provided
4509 \stepcounter\@mpfn%
4510 \protected@xdef\@thefnmark{\thempfn}%
4511 \@footnotemark\@footnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
4512 }{%
4513 % specific footnote number provided
4514 \begingroup%
4515 \csname c@\@mpfn\endcsname #1\relax%
4516 \unrestored@protected@xdef\@thefnmark{\thempfn}%
4517 \endgroup%
4518 \@footnotemark\@footnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
4519 }%
4520 \@bidityftesidenote@print@citations% print any citations
4521 \let\cite\@bidityftesidenote@normal@cite% go back to using normal in-text \cite command
4522 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRcite co
4523 \let\RTLcite\@bidityfteRTLsidenote@normal@cite% go back to using normal in-text \RTLcite co
4524 \unskip\ignorespaces% remove extra white space
4525 \kern-\multiplefootnotemarker% remove \kern left behind by sidenote
4526 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
4527 }
4528 \long\def\@LTRbidityftesidenote@sidenote[#1][#2]#3{%
4529 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
4530 \gdef\@bidityftesidenote@citations{}% clear out any old citations
4531 \ifthenelse{\NOT\isempty{#2}}{%
4532 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
4533 }{%
4534 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
4535 }%
4536 \ifthenelse{\isempty{#1}}{%
4537 % no specific footnote number provided
4538 \stepcounter\@mpfn%
4539 \protected@xdef\@thefnmark{\thempfn}%
4540 \@footnotemark\@LTRfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
4541 }{%
4542 % specific footnote number provided

```




```

4543 \begingroup%
4544 \csname c@\mpfn\endcsname #1\relax%
4545 \unrestored@protected@xdef\@thefnmark{\thempfn}%
4546 \endgroup%
4547 \@footnotemark\@LTRfootnotetext[\@bidituftesidenote@sidenote@vertical@offset]{#3}%
4548 }%
4549 \@bidituftesidenote@print@citations%          print any citations
4550 \let\cite\@bidituftesidenote@normal@cite%      go back to using normal in-text \cite command
4551 \let\LTRcite\@bidituftelTRSidenote@normal@cite% go back to using normal in-text \LTRcite co
4552 \let\RTLcite\@biditufterTLSidenote@normal@cite% go back to using normal in-text \RTLcite co
4553 \unskip\ignorespaces%                          remove extra white space
4554 \kern-\multiplefootnotemarker%                  remove \kern left behind by sidenote
4555 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
4556 }
4557 \long\def\@RTLbidituftesidenote@sidenote[#1][#2]#3{%
4558 \let\cite\@bidituftesidenote@infootnote@cite% use the in-sidenote \cite command
4559 \gdef\@bidituftesidenote@citations{}%          clear out any old citations
4560 \ifthenelse{\NOT\isempty{#2}}{%
4561 \gsetlength{\@bidituftesidenote@sidenote@vertical@offset}{#2}%
4562 }{%
4563 \gsetlength{\@bidituftesidenote@sidenote@vertical@offset}{0pt}%
4564 }%
4565 \ifthenelse{\isempty{#1}}{%
4566 % no specific footnote number provided
4567 \stepcounter\mpfn%
4568 \protected@xdef\@thefnmark{\thempfn}%
4569 \@footnotemark\@RTLfootnotetext[\@bidituftesidenote@sidenote@vertical@offset]{#3}%
4570 }{%
4571 % specific footnote number provided
4572 \begingroup%
4573 \csname c@\mpfn\endcsname #1\relax%
4574 \unrestored@protected@xdef\@thefnmark{\thempfn}%
4575 \endgroup%
4576 \@footnotemark\@RTLfootnotetext[\@bidituftesidenote@sidenote@vertical@offset]{#3}%
4577 }%
4578 \@bidituftesidenote@print@citations%          print any citations
4579 \let\cite\@bidituftesidenote@normal@cite%      go back to using normal in-text \cite command
4580 \let\LTRcite\@bidituftelTRSidenote@normal@cite% go back to using normal in-text \LTRcite co
4581 \let\RTLcite\@biditufterTLSidenote@normal@cite% go back to using normal in-text \RTLcite co
4582 \unskip\ignorespaces%                          remove extra white space
4583 \kern-\multiplefootnotemarker%                  remove \kern left behind by sidenote
4584 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
4585 }
4586 \newcommand{\sidenote}{\optparams{\@bidituftesidenote@sidenote}{[] [Opt]}}
4587 \newcommand{\LTRsidenote}{\optparams{\@LTRbidituftesidenote@sidenote}{[] [Opt]}}
4588 \newcommand{\RTLSidenote}{\optparams{\@RTLbidituftesidenote@sidenote}{[] [Opt]}}
4589 \bidi@patch@AfterPackage{bidi}{%
4590 \renewcommand{\footnote}{\optparams{\@bidituftesidenote@sidenote}{[] [Opt]}}%
4591 \renewcommand{\LTRfootnote}{\optparams{\@LTRbidituftesidenote@sidenote}{[] [Opt]}}%
4592 \renewcommand{\RTLfootnote}{\optparams{\@RTLbidituftesidenote@sidenote}{[] [Opt]}}%

```



```

4593 }
4594 %%
4595 % Sidenote without the footnote mark
4596 \newcommand\marginnote[2][Opt]{%
4597   \let\cite\@bituftesidenote@infootnote@cite% use the in-sidenote \cite command
4598   \gdef\@bituftesidenote@citations{}% clear out any old citations
4599   \bituftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bituftesidenote@marginnote@font\@bituft
4600   \@bituftesidenote@print@citations% print any citations
4601   \let\cite\@bituftesidenote@normal@cite% go back to using normal in-text \cite command
4602   \let\LTRcite\@bituftelTRSidenote@normal@cite% go back to using normal in-text \LTRcite co
4603   \let\RTLcite\@bituftRTLsidenote@normal@cite% go back to using normal in-text \RTLcite co
4604 }
4605 \newcommand\LTRmarginnote[2][Opt]{%
4606   \let\cite\@bituftesidenote@infootnote@cite% use the in-sidenote \cite command
4607   \gdef\@bituftesidenote@citations{}% clear out any old citations
4608   \LTRbbituftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bituftesidenote@marginnote@font\@bit
4609   \@bituftesidenote@print@citations% print any citations
4610   \let\cite\@bituftesidenote@normal@cite% go back to using normal in-text \cite command
4611   \let\LTRcite\@bituftelTRSidenote@normal@cite% go back to using normal in-text \LTRcite co
4612   \let\RTLcite\@bituftRTLsidenote@normal@cite% go back to using normal in-text \RTLcite co
4613 }
4614 \newcommand\RTLMarginnote[2][Opt]{%
4615   \let\cite\@bituftesidenote@infootnote@cite% use the in-sidenote \cite command
4616   \gdef\@bituftesidenote@citations{}% clear out any old citations
4617   \RTLbbituftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bituftesidenote@marginnote@font\@bit
4618   \@bituftesidenote@print@citations% print any citations
4619   \let\cite\@bituftesidenote@normal@cite% go back to using normal in-text \cite command
4620   \let\LTRcite\@bituftelTRSidenote@normal@cite% go back to using normal in-text \LTRcite co
4621   \let\RTLcite\@bituftRTLsidenote@normal@cite% go back to using normal in-text \RTLcite co
4622 }

```

7.24 bidituftetoc.sty

```

4623 \NeedsTeXFormat{LaTeX2e}
4624 \ProvidesPackage{bidituftetoc}[2011/06/17 v0.1
4625 bidi implementation of tufte toc]
4626 \RequirePackage{titlesec,titletoc,xifthen,biditools}
4627 \newcommand{\@bituftetoc@pkgname}{bidituftetoc}
4628 \newcommand{\@bituftetocError}[2]{\PackageError{\@bituftetoc@pkgname}{#1}{#2}}
4629 %%
4630 % Turn off section numbering
4631 \setcounter{secnumdepth}{-1}
4632 \newboolean{@bituftetoc@toc}
4633 \setboolean{@bituftetoc@toc}{true}
4634 \DeclareOption{notoc}{\setboolean{@bituftetoc@toc}{false}}
4635 \DeclareOption{toc}{\setboolean{@bituftetoc@toc}{true}}
4636 \ProcessOptions
4637 %%
4638 % Make Tufte-style section headings and TOC formatting
4639 \bidi@patch@AfterPackage{bidi}{%

```



```

4640 \titleformat{\chapter}%
4641   [display]% shape
4642   {\relax\ifthenelse{\NOT\boolean{@biditytfloat@symmetric}}{\begin{fullwidth}}{}}% format applied to label+text
4643   {\itshape\huge\thechapter}% label
4644   {0pt}% horizontal separation between label and title body
4645   {\huge\rmfamily\itshape}% before the title body
4646   [\ifthenelse{\NOT\boolean{@biditytfloat@symmetric}}{\end{fullwidth}}{}}% after the title body
4647 \titleformat{\section}%
4648   [hang]% shape
4649   {\normalfont\Large\itshape}% format applied to label+text
4650   {\thesection}% label
4651   {1em}% horizontal separation between label and title body
4652   {}% before the title body
4653   []% after the title body
4654 \titleformat{\subsection}%
4655   [hang]% shape
4656   {\normalfont\large\itshape}% format applied to label+text
4657   {\thesubsection}% label
4658   {1em}% horizontal separation between label and title body
4659   {}% before the title body
4660   []% after the title body
4661 \titleformat{\paragraph}%
4662   [runin]% shape
4663   {\normalfont\itshape}% format applied to label+text
4664   {\theparagraph}% label
4665   {1em}% horizontal separation between label and title body
4666   {}% before the title body
4667   []% after the title body
4668 \titlespacing*{\chapter}{0pt}{50pt}{40pt}
4669 \titlespacing*{\section}{0pt}{3.5ex plus 1ex minus .2ex}{2.3ex plus .2ex}
4670 \titlespacing*{\subsection}{0pt}{3.25ex plus 1ex minus .2ex}{1.5ex plus .2ex}
4671 }
4672 % Subsubsection and following section headings shouldn't be used.
4673 % See Bringhurst's _The Elements of Typography_, section 4.2.2.
4674 \renewcommand\subsubsection{%
4675   \biditytfloatError{\noexpand\subsubsection is undefined by this class.%
4676     \MessageBreak See Robert Bringhurst's _The Elements of
4677       \MessageBreak Typographic Style_, section 4.2.2.
4678     \MessageBreak \noexpand\subsubsection was used}
4679   {From Bringhurst's _The Elements of Typographic Style_, section 4.2.2: Use as
4680     \MessageBreak many levels of headings as you need, no more and no fewer. Also see the many
4681     \MessageBreak related threads on Ask E.T. at http://www.edwardbiditytfloat.com/.}
4682 }
4683 \renewcommand\subparagraph{%
4684   \biditytfloatError{\noexpand\subparagraph is undefined by this class.%
4685     \MessageBreak See Robert Bringhurst's _The Elements of
4686       \MessageBreak Typographic Style_, section 4.2.2.
4687     \MessageBreak \noexpand\subparagraph was used}
4688   {From Bringhurst's _The Elements of Typographic Style_, section 4.2.2: Use as
4689     \MessageBreak many levels of headings as you need, no more and no fewer. Also see the many

```



```

4690 \MessageBreak related threads on Ask E.T. at http://www.edwardbiditytftoc.com/.}
4691 }
4692 % Formatting for main TOC (printed in front matter)
4693 {section} [left] {above} {before w/label} {before w/o label} {filler + page} [after]
4694 \ifthenelse{\boolean{@biditytftoc@toc}}{%
4695 \bidity@patch@AfterPackage{bidity}{%
4696 \titlecontents{part}% FIXME
4697 [Oem] % distance from left margin
4698 {\vspace{1.5\baselineskip}\begin{fullwidth}\LARGE\rmfamily\itshape} % above (global formatting)
4699 {\contentslabel{2em}} % before w/label (label = ``II'')
4700 {} % before w/o label
4701 {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
4702 [\end{fullwidth}] % after
4703 \titlecontents{chapter}%
4704 [Oem] % distance from left margin
4705 {\vspace{1.5\baselineskip}\begin{fullwidth}\LARGE\rmfamily\itshape} % above (global formatting)
4706 {\hspace*{0em}\contentslabel{2em}} % before w/label (label = ``2'')
4707 {\hspace*{0em}} % before w/o label
4708 {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
4709 [\end{fullwidth}] % after
4710 \titlecontents{section}% FIXME
4711 [Oem] % distance from left margin
4712 {\vspace{0\baselineskip}\begin{fullwidth}\Large\rmfamily\itshape} % above (global formatting)
4713 {\hspace*{2em}\contentslabel{2em}} % before w/label (label = ``2.6'')
4714 {\hspace*{2em}} % before w/o label
4715 {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
4716 [\end{fullwidth}] % after
4717 \titlecontents{subsection}% FIXME
4718 [Oem] % distance from left margin
4719 {\vspace{0\baselineskip}\begin{fullwidth}\large\rmfamily\itshape} % above (global formatting)
4720 {\hspace*{4em}\contentslabel{4em}} % before w/label (label = ``2.6.1'')
4721 {\hspace*{4em}} % before w/o label
4722 {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
4723 [\end{fullwidth}] % after
4724 \titlecontents{paragraph}% FIXME
4725 [Oem] % distance from left margin
4726 {\vspace{0\baselineskip}\begin{fullwidth}\normalsize\rmfamily\itshape} % above (global formatting)
4727 {\hspace*{6em}\contentslabel{2em}} % before w/label (label = ``2.6.0.0.1'')
4728 {\hspace*{6em}} % before w/o label
4729 {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
4730 [\end{fullwidth}] % after
4731 }%
4732 }{}
4733 %%
4734 % Format lists of figures/tables
4735 \renewcommand\listoffigures{%
4736 \@ifundefined{chapter}%
4737 {\section*{\listfigurename}}%
4738 {\chapter*{\listfigurename}}%
4739 % \begin{fullwidth}%

```



```

4740 \starttoc{lof}%
4741 % \end{fullwidth}%
4742 }
4743 \renewcommand\listoftables{%
4744 \ifundefined{chapter}%
4745 {\section*{\listtablename}}%
4746 {\chapter*{\listtablename}}%
4747 % \begin{fullwidth}%
4748 \starttoc{lot}%
4749 % \end{fullwidth}%
4750 }
4751 \newcommand{\@bidityfttoc@lof@line}[2]{%
4752 % #1 is the figure/table number and its caption text
4753 % #2 is the page number on which the figure/table appears
4754 \leftskip 0.0em
4755 \rightskip 0em
4756 \parfillskip 0em plus 1fil
4757 \parindent 0.0em
4758 \@afterindenttrue
4759 \interlinepenalty\@M
4760 \leavevmode
4761 \@tempdima 2.0em
4762 \ifRTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
4763 \null\nobreak\hskip -\ifRTL\rightskip\else\leftskip\fi
4764 {#1}\nobreak\qqquad\nobreak#2%
4765 \par%
4766 }
4767 \renewcommand*\l@figure{\@bidityfttoc@lof@line}
4768 \let\l@table\l@figure

```

7.25 bidityftgeneralstructure.sty

```

4769 \NeedsTeXFormat{LaTeX2e}
4770 \ProvidesPackage{bidityftgeneralstructure}[2011/06/18 v0.1
4771 bidi implementation of tufte general structure]
4772 \renewcommand\small{%
4773 \@setfontsize\small\@ixpt{12}%
4774 \abovedisplayskip 8.5\p@ \@plus3\p@ \@minus4\p@
4775 \abovedisplayshortskip \z@ \@plus2\p@
4776 \belowdisplayshortskip 4\p@ \@plus2\p@ \@minus2\p@
4777 \def\@listi{\leftmargin\leftmarginI
4778 \topsep 4\p@ \@plus2\p@ \@minus2\p@
4779 \parsep 2\p@ \@plus\p@ \@minus\p@
4780 \itemsep \parsep}%
4781 \belowdisplayskip \abovedisplayskip
4782 }
4783 \renewcommand\scriptsize{\@setfontsize\scriptsize\@viipt\@viipt}
4784 \renewcommand\tiny{\@setfontsize\tiny\@vpt\@vpt}
4785 \renewcommand\large{\@setfontsize\large\@xipt{15}}
4786 \renewcommand\Large{\@setfontsize\Large\@xiipt{16}}

```



```

4787 \renewcommand\LARGE{\@setfontsize\LARGE\@xivpt{18}}
4788 \renewcommand\huge{\@setfontsize\huge\@xxpt{30}}
4789 \renewcommand\Huge{\@setfontsize\Huge{24}{36}}
4790 \setlength\leftmargini {1pc}
4791 \setlength\leftmarginii {1pc}
4792 \setlength\leftmarginiii {1pc}
4793 \setlength\leftmarginiv {1pc}
4794 \setlength\leftmarginv {1pc}
4795 \setlength\leftmarginvi {1pc}
4796 \setlength\labelsep {1.5pc}
4797 \setlength\labelwidth {\leftmargini}
4798 \addtolength\labelwidth{-\labelsep}
4799 \setlength{\parindent}{1.0pc}%
4800 \setlength{\parskip}{0pt}%
4801 \RequirePackage{ragged2e}
4802 \setlength{\RaggedRightRightskip}{\z@ plus 0.08\hsize}
4803 % Paragraph indentation and separation for normal text
4804 \newcommand{\@bidiuftegeneralstructure@reset@par}{%
4805 \setlength{\RaggedRightParindent}{1.0pc}%
4806 \setlength{\JustifyingParindent}{1.0pc}%
4807 \setlength{\parindent}{1pc}%
4808 \setlength{\parskip}{0pt}%
4809 }
4810 \@bidiuftegeneralstructure@reset@par
4811 % Require paralist package for tighter lists
4812 \RequirePackage{paralist}
4813 % Add rightmargin to compactenum
4814 \def\@compactenum{%
4815 \expandafter\list\csname label\@enumctr\endcsname{%
4816 \usecounter{\@enumctr}%
4817 \rightmargin=2em% added this
4818 \parsep\plparsep
4819 \itemsep\plitemsep
4820 \topsep\pltopsep
4821 \partopsep\plpartopsep
4822 \def\makelabel##1{\hss\llap{##1}}}}
4823 %%
4824 % An environment for paragraph-style section
4825 \providecommand\newthought[1]{%
4826 \addvspace{1.0\baselineskip plus 0.5ex minus 0.2ex}%
4827 \noindent\textbf{#1}%
4828 }
4829 %%
4830 % Redefine the display environments (quote, quotation, etc.)
4831 \renewenvironment{verse}
4832 {\let\\\@centercr
4833 \list{}{\itemsep \z@
4834 \itemindent -1pc%
4835 \listparindent\itemindent
4836 \rightmargin \leftmargin

```



```

4837             \advance\leftmargin 1pc}%
4838             \small%
4839             \item\relax}
4840         {\endlist}
4841 \renewenvironment{quotation}
4842     {\list{}{\listparindent 1pc%
4843             \itemindent \listparindent
4844             \rightmargin \leftmargin
4845             \parsep \z@ \@plus\p@}%
4846             \small%
4847             \item\relax\noindent\ignorespaces}
4848     {\endlist}
4849 \renewenvironment{quote}
4850     {\list{}{\rightmargin\leftmargin}%
4851             \small%
4852             \item\relax}
4853     {\endlist}
4854 % Italicize description run-in headings (instead of the default bold)
4855 \renewcommand*\descriptionlabel[1]{\hspace\labelsep\normalfont\em #1}
4856 %%
4857 % Redefine \bibsection to not mark the running heads.
4858 % (Code modified from natbib.sty.)
4859 \@ifundefined{chapter}%
4860     {\renewcommand\bibsection{\section*{\refname}}}
4861     {\@ifundefined{NAT@sectionbib}%
4862         {\renewcommand\bibsection{\chapter{\bibname}}}
4863         {\renewcommand\bibsection{\section*{\bibname}}}}
4864 \RequirePackage{multicol}
4865 \renewenvironment{theindex}{%
4866 \@ifundefined{chapter}%
4867     {\section*{\indexname}}%
4868     {\chapter{\indexname}}%
4869 \begin{fullwidth}%
4870 \small%
4871 \parskip0pt%
4872 \parindent0pt%
4873 \let\item\@idxitem%
4874 \begin{multicols}{3}%
4875 }{%
4876 \end{multicols}%
4877 \end{fullwidth}%
4878 }
4879 \AtBeginDocument{%
4880 \renewcommand\@idxitem{\par\hangindent \if@RTL-\fi2em}%
4881 \renewcommand\subitem{\par\hangindent \if@RTL-\fi3em\hspace*{1em}}%
4882 \renewcommand\subsubitem{\par\hangindent \if@RTL-\fi4em\hspace*{2em}}%
4883 \renewcommand\indexspace{\par\addvspace{1.0\baselineskip plus 0.5ex minus 0.2ex}\relax}%
4884 \newcommand{\lettergroup}[1]{}% swallow the letter heading in the index

```



7.26 bidituftehyperref.sty

```
4885 \NeedsTeXFormat{LaTeX2e}
4886 \ProvidesPackage{bidituftehyperref}[2011/06/18 v0.1
4887 bidi implementation of tufte hyperref]
4888 %%
4889 % Color
4890 \RequirePackage[usenames,dvipsnames,svgnames]{xcolor}%
4891 \newboolean{@bidituftehyperref@loadhyper}
4892 \setboolean{@bidituftehyperref@loadhyper}{true}
4893 \DeclareOption{hyper}{\setboolean{@bidituftehyperref@loadhyper}{true}}
4894 \DeclareOption{nohyper}{\setboolean{@bidituftehyperref@loadhyper}{false}}
4895 \ProcessOptions
4896 %% Loads the hyperref package and sets some default options.
4897 \newcommand{\bidituftehyperrefLoadHyperref}{%
4898 \RequirePackage[hyperfootnotes=false,colorlinks=true]{hyperref}
4899 \hypersetup{%
4900     bookmarksdepth = section,
4901     citecolor = DarkGreen,
4902     linkcolor = DarkBlue,
4903     % pagecolor = DarkBlue,
4904     urlcolor = DarkGreen,
4905 }%
4906 }
4907 \ifthenelse{\boolean{@bidituftehyperref@loadhyper}}{%
4908 \bidituftehyperrefLoadHyperref%
4909 }{% hyperfootnotes override our modifications to the \footnote* and \@footnote* commands.
4910 \PassOptionsToPackage{hyperfootnotes=false}{hyperref}
4911 }
```

7.27 bidituftetitle.sty

```
4912 \NeedsTeXFormat{LaTeX2e}
4913 \ProvidesPackage{bidituftetitle}[2011/06/18 v0.1
4914 bidi implementation of tufte title]
4915 \RequirePackage{biditools}
4916 %%
4917 % `titlepage' option -- creates a full title page with \maketitle
4918 \newboolean{@bidituftetitle@titlepage}
4919 \DeclareOption{titlepage}{\setboolean{@bidituftetitle@titlepage}{true}}
4920 \DeclareOption{notitlepage}{\setboolean{@bidituftetitle@titlepage}{false}}
4921 % Default `book' and `handout' options
4922 \ifclassloaded{book}{%
4923 \ExecuteOptions{titlepage}}{%
4924 \ifclassloaded{article}{%
4925 \ExecuteOptions{notitlepage}}%
4926 {}}
4927 \ProcessOptions
4928 %%
4929 % Modified \title, \author, and \date commands. These store the
4930 % (footnote-less) values in \plaintitle, \plainauthor, and \thedate, respectively.
```




```

4931 \newcommand{\plaintitle}{}%      plain-text-only title
4932 \newcommand{\plainauthor}{}%     plain-text-only author
4933 \newcommand{\plainpublisher}{}%   plain-text-only publisher
4934 \newcommand{\thanklesstitle}{}%   full title text minus \thanks{}
4935 \newcommand{\thanklessauthor}{}%  full author text minus \thanks{}
4936 \newcommand{\thanklesspublisher}{}% full publisher minus \thanks{}
4937 \newcommand{\@publisher}{}% full publisher with \thanks{}
4938 \newcommand{\thedata}{\today}
4939 \bidi@patch@AfterPackage{bidi}{%
4940 \renewcommand{\thanks}[1]{\footnote{#1}}
4941 \renewcommand{\LTRthanks}[1]{\LTRfootnote{#1}}
4942 \renewcommand{\RTLthanks}[1]{\RTLfootnote{#1}}
4943 }
4944 \renewcommand{\title}[2][]{%
4945   \gdef\@title{#2}%
4946   \begingroup%
4947     % TODO store contents of \thanks command
4948     \renewcommand{\thanks}[1]{}% swallow \thanks contents
4949     \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
4950     \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
4951     \protected@xdef\thanklesstitle{#2}%
4952   \endgroup%
4953   \ifthenelse{\isempty{#1}}{%
4954     {\renewcommand{\plaintitle}{\thanklesstitle}}% use thankless title
4955     {\renewcommand{\plaintitle}{#1}}% use provided plain-text title
4956   \@ifundefined{hypersetup}%
4957     {}% hyperref is not loaded; do nothing
4958     {\hypersetup{pdftitle={\plaintitle}}}% set the PDF metadata title
4959 }
4960 \let\@author\@empty% suppress default latex.ltx ``no author'' warning
4961 \renewcommand{\author}[2][]{%
4962   \ifthenelse{\isempty{#2}}{}{\gdef\@author{#2}}%
4963   \begingroup%
4964     % TODO store contents of \thanks command
4965     \renewcommand{\thanks}[1]{}% swallow \thanks contents
4966     \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
4967     \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
4968     \protected@xdef\thanklessauthor{#2}%
4969   \endgroup%
4970   \ifthenelse{\isempty{#1}}{%
4971     {\renewcommand{\plainauthor}{\thanklessauthor}}% use thankless author
4972     {\renewcommand{\plainauthor}{#1}}% use provided plain-text author
4973   \@ifundefined{hypersetup}%
4974     {}% hyperref is not loaded; do nothing
4975     {\hypersetup{pdfauthor={\plainauthor}}}% set the PDF metadata author
4976 }
4977 \renewcommand{\date}[1]{%
4978   \gdef\@date{#1}%
4979   \begingroup%
4980     % TODO store contents of \thanks command

```



```

4981 \renewcommand{\thanks}[1]{}% swallow \thanks contents
4982 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
4983 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
4984 \protected@xdef\thedate{#1}%
4985 \endgroup%
4986 }
4987 %%
4988 % Provides a \publisher command to set the publisher
4989 \newcommand{\publisher}[2][{}]{%
4990 \gdef\@publisher{#2}%
4991 \begingroup%
4992 \renewcommand{\thanks}[1]{}% swallow \thanks contents
4993 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
4994 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
4995 \protected@xdef\thanklesspublisher{#2}%
4996 \endgroup%
4997 \ifthenelse{\isempty{#1}}{
4998 {\renewcommand{\plainpublisher}{\thanklesspublisher}}% use thankless publisher
4999 {\renewcommand{\plainpublisher}{#1}}% use provided plain-text publisher
5000 }
5001 %%
5002 % Produces a full title page
5003 \newcommand{\maketitlepage}[0]{%
5004 \cleardoublepage%
5005 {%
5006 \bfseries%
5007 \begin{fullwidth}%
5008 \fontsize{18}{20}\selectfont\par\noindent\thanklessauthor%
5009 \vspace{11.5pc}%
5010 \fontsize{36}{40}\selectfont\par\noindent\thanklesstitle%
5011 \vfill%
5012 \fontsize{14}{16}\selectfont\par\noindent\thanklesspublisher%
5013 \end{fullwidth}%
5014 }
5015 \thispagestyle{empty}%
5016 \clearpage%
5017 }
5018 %%
5019 % Title block
5020 \bidi@AfterEndPreamble{%
5021 \renewcommand{\maketitle}{%
5022 \newpage%
5023 \global\@topnum\z@% prevent floats from being placed at the top of the page
5024 \begingroup%
5025 \setlength{\parindent}{0pt}%
5026 \setlength{\parskip}{4pt}%
5027 \let\@title\@empty%
5028 \let\@author\@empty%
5029 \let\@date\@empty%
5030 \gdef\@title{\LARGE\itshape\@title\par}%

```



```

5031 \gdef\@author{\Large\itshape\@author\par}%
5032 \gdef\@date{\Large\itshape\@date\par}%
5033 \@@title%
5034 \@@author%
5035 \@@date%
5036 \endgroup%
5037 \thispagestyle{plain}% suppress the running head
5038 }%
5039 }
5040 %%
5041 % Title page (if the 'titlepage' option was passed to the bidentitetitle-handout
5042 % class.)
5043 \bidi@AfterEndPreamble{%
5044 \ifthenelse{\boolean{@bidentitetitle@titlepage}}
5045 {\renewcommand{\maketitle}{\maketitlepage}}
5046 {}
5047 }
5048 %%
5049 % When \cleardoublepage is called, produce a blank (empty) page -- i.e.,
5050 % without headers and footers
5051 \def\cleardoublepage{\clearpage\if@twoside\ifodd\c@page\else
5052 \hbox{}
5053 %\vspace*{\fill}
5054 %\begin{center}
5055 % This page intentionally contains only this sentence.
5056 %\end{center}
5057 %\vspace{\fill}
5058 \thispagestyle{empty}
5059 \newpage
5060 \if@twocolumn\hbox{}\newpage\fi\fi\fi}

```

7.28 bidentite-handout.cls

```

5061 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
5062 \ProvidesClass{bidentite-handout}[2011/06/18 v0.1 bidentite-handout class]
5063 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{article}}
5064 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentitefloat}}
5065 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentitetoc}}
5066 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentitehyperref}}
5067 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentitetitle}}
5068 \ProcessOptions\relax
5069 \LoadClass{article}
5070 \RequirePackage{bidentitefloat}
5071 \RequirePackage{bidentitesidenote}
5072 \RequirePackage{bidentitetoc}
5073 \RequirePackage{bidentitegeneralstructure}
5074 \RequirePackage{bidentitehyperref}
5075 \RequirePackage{bidentitetitle}
5076 \renewenvironment{abstract}
5077 {\begin{quotation}}

```



```

5078 {\end{quotation}}
5079 \AtBeginDocument{%
5080 \IfFileExists{biditufte-handout.cfg}
5081 {\input{biditufte-handout.cfg}
5082 \ClassInfo{biditufte-handout}{Loading biditufte-handout configuration file \@gobble}}
5083 {}}%
5084 }

```

7.29 biditufte-book.cls

```

5085 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
5086 \ProvidesClass{biditufte-book}[2011/06/18 v0.1 biditufte-book class]
5087 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{book}}
5088 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftefloat}}
5089 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftetoc}}
5090 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftehyperref}}
5091 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftetitle}}
5092 \ProcessOptions\relax
5093 \LoadClass{book}
5094 \RequirePackage{bidituftefloat}
5095 \RequirePackage{bidituftesidenote}
5096 \RequirePackage{bidituftetoc}
5097 \RequirePackage{bidituftegeneralstructure}
5098 \RequirePackage{bidituftehyperref}
5099 \RequirePackage{bidituftetitle}
5100 %%
5101 % Set up any book-specific stuff now
5102 %%
5103 % The front matter in Tufte's /Beautiful Evidence/ contains everything up
5104 % to the opening page of Chapter 1. The running heads, when they appear,
5105 % contain only the (arabic) page number in the outside corner.
5106 %\newif\if@mainmatter \@mainmattertrue
5107 \renewcommand\frontmatter{%
5108 \cleardoublepage%
5109 \@mainmatterfalse%
5110 \pagenumbering{arabic}%
5111 %\pagestyle{plain}%
5112 \fancyhf{}%
5113 \ifthenelse{\boolean{@bidituftefloat@twoside}}{%
5114 {\fancyhead[LE,RO]{\thepage}}%
5115 {\fancyhead[RE,RO]{\thepage}}%
5116 }
5117 %%
5118 % The main matter in Tufte's /Beautiful Evidence/ doesn't restart the page
5119 % numbering---it continues where it left off in the front matter.
5120 \renewcommand\mainmatter{%
5121 \cleardoublepage%
5122 \@mainmattertrue%
5123 \fancyhf{}%
5124 \ifthenelse{\boolean{@bidituftefloat@twoside}}{%

```



```

5125     {\renewcommand{\chaptermark}[1]{\markboth{##1}{}}}%
5126     \fancyhead[LE]{\thepage\quad\smallcaps{\newlinetospace{\plaintitle}}}% book title
5127     \fancyhead[RO]{\smallcaps{\newlinetospace{\leftmark}}\quad\thepage}% chapter title
5128     {\fancyhead[RE,RO]{\smallcaps{\newlinetospace{\plaintitle}}\quad\thepage}}% book title
5129 }
5130 %%
5131 % The back matter contains appendices, indices, glossaries, endnotes,
5132 % bibliographies, list of contributors, illustration credits, etc.
5133 \renewcommand\backmatter{%
5134   \if@openright%
5135     \cleardoublepage%
5136   \else%
5137     \clearpage%
5138   \fi%
5139   \@mainmatterfalse%
5140 }
5141 %%
5142 % Only show the chapter titles in the table of contents
5143 \setcounter{tocdepth}{0}
5144 \AtBeginDocument{%
5145   \IfFileExists{biditufte-book.cfg}
5146   {\input{biditufte-book.cfg}}
5147   \ClassInfo{biditufte-book}{Loading biditufte-book configuration file \@gobble}}
5148 {}%
5149 }

```

7.30 bidipoem.sty

```

5150 \NeedsTeXFormat{LaTeX2e}
5151 \ProvidesPackage{bidipoem}%
5152 [2014/04/27 v0.9 Environments for typesetting Persian traditional and modern poems]
5153
5154 % Usage:
5155 %
5156 % \Setversedim #1#2 % define the layout (within a group):
5157 % #1 = length of both half-verses
5158 % #2 = separation distance = length of a connection, if present
5159 % Variant:
5160 % \Setversedim #1[#2]#3 % for half-verses of unequal length
5161 % #1 = length of first (=right) half-verse
5162 % #2 = length of second (=left) half-verse
5163 % #3 = separation distance = length of a connection, if present
5164 %
5165 % \traditionalhalfverses #1#2 % typeset two separated half-verses
5166 % #1 = text of first (=right) half-verse
5167 % #2 = text of second (=left) half-verse
5168 % Variant:
5169 % \traditionalhalfverses #1[#2]#3 % typeset two connected half-verses
5170 % #1 = text of first (=right) half-verse
5171 % #2 = text of connection

```



```

5172 % #3 = text of second (=left) half-verse
5173 %
5174 % Alternative (if preferred):
5175 %
5176 % \traditionalconnverses #1#2#3 % = \traditionalhalfverses #1[#2]#3
5177
5178
5179 \newcommand*{\bidipoem@spreadbox}[2]{\hbox to #1{#2}}
5180
5181 % define the layout, verses will be centered
5182
5183 \newdimen \bidipoem@hvlen \newdimen \bidipoem@hvsep
5184 \newdimen \bidipoem@hvind \newdimen \bidipoem@@hvlen
5185
5186 \newcommand*{\Setversedim}[2]{% set lengths of half-verse, [separation]
5187 \bidipoem@hvind \textwidth
5188 \bidipoem@hvlen #1\relax \advance \bidipoem@hvind -\bidipoem@hvlen
5189 \ifx [#2\def \bidipoem@next {\bidipoem@set@verseI []\else
5190 \bidipoem@@hvlen \bidipoem@hvlen \def \bidipoem@next {\bidipoem@set@@verse {#2}}\fi \bidipoem@n
5191
5192 \def \bidipoem@set@verseI [#1]{% optional parameter
5193 \bidipoem@@hvlen #1\relax \bidipoem@set@@verse }
5194
5195 \newcommand*{\bidipoem@set@@verse}[1]{% separation
5196 \advance \bidipoem@hvind -\bidipoem@@hvlen \bidipoem@hvsep #1\relax
5197 \advance \bidipoem@hvind -\bidipoem@hvsep \divide \bidipoem@hvind 2 }
5198
5199 \newcommand*{\traditionalconnverses}[3]{% first half-verse, connection, second half-verse
5200 \ifdim Opt > \bidipoem@hvind %
5201 \bidipoem@spreadbox \bidipoem@hvlen {#1}\ \hfill % first block
5202 \else
5203 \noindent \hskip \bidipoem@hvind \relax \bidipoem@spreadbox \bidipoem@hvlen {#1}\fi
5204 \bidipoem@spreadbox \bidipoem@hvsep {#2}% separator
5205 \bidipoem@spreadbox \bidipoem@@hvlen {#3}% second block
5206 \par }
5207
5208 % macro for two half verses
5209 \newcommand*{\traditionalhalfverses}[2]{% optional parameter?
5210 \ifx [#2\def \bidipoem@half@verses@next {\bidipoem@half@verses {#1}[]%
5211 \else\def \bidipoem@half@verses@next {\bidipoem@half@verses {#1}[\hfill]{#2}}\fi%
5212 \bidipoem@half@verses@next}
5213
5214 \def \bidipoem@half@verses #1[#2]#3{% first[mid]second
5215 \traditionalconnverses {#1}{#2}{#3}}
5216
5217
5218 {\catcode\^^M=\active % these lines must end with %
5219 \gdef\traditionalpoem@obeylines{\catcode\^^M=\active \let^^M\traditionalpoem@par}%
5220 \global\let^^M\traditionalpoem@par} % this is in case ^^M appears in a \write
5221 {\catcode\^^M=\active % these lines must end with %

```



```

5222 \gdef\modernpoem@obeylines{\catcode\^^M\active \let^^M\modernpoem@par}%
5223 \global\let^^M\modernpoem@par} % this is in case ^^M appears in a \write
5224 \def\poemcolsepskip{.1\versewidth plus .1\versewidth minus .05\versewidth}
5225 \def\poemmarginskip{1em plus 1fil minus 1em}
5226 \def\poemextrabaselineskip{0\baselineskip}
5227 \def\poemskip{\medskip}
5228 \newcommand{\bidipoem@openbox}{\leavevmode
5229 \hbox to.77778em{%
5230 \hfil\vrule
5231 \vbox to.675em{\hrule width.6em\vfil\hrule}}%
5232 \vrule\hfil}}
5233 \def\poemblocksep{\quad\hbox{\bidipoem@openbox}}
5234 \newdimen\versewidth
5235 \newtoks\bidipoem@p@ftn
5236 \def\poem@verse#1{%
5237 \ifdim\wd#1>\new@poem@width
5238 \xdef\new@poem@width{\the\wd#1}%
5239 \ifdim\new@poem@width>\poem@width
5240 \xdef\poem@width{\new@poem@width}%
5241 \global\let\poem@needrun\relax
5242 \fi
5243 \fi
5244 \hbox to\poem@width{\unhbox#1}%
5245 \global\bidipoem@p@ftn\expandafter{\expandafter}\the\bidipoem@p@ftn%
5246 }
5247 \def\poem@linebegin{\vadjust{\hskip\@flushglue\hskip\poemmarginskip\relax}
5248 \def\poem@lineend{\nobreak\hskip\poemmarginskip\hskip\@flushglue\vadjust{}}
5249 \def\poem@lineversesep{%
5250 \nobreak
5251 \hskip\z@ plus 1filll%
5252 \penalty600%
5253 \hskip\poemcolsepskip
5254 \hskip\z@ plus -2filll%
5255 \vadjust{}}%
5256 \nobreak
5257 \hskip\z@ plus 1filll%
5258 }
5259 \def\poem@lineparsebegin{%
5260 \halign\bgroup
5261 \global\setbox\verse@i=\hbox{%
5262 \let\@footnotetext\bidipoem@p@ftntext%
5263 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
5264 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
5265 \let\@xfootnotenext\bidipoem@p@xftntext%
5266 \let\@xfootnote\bidipoem@p@xfootnote%
5267 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
5268 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
5269 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
5270 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
5271 \ignorespaces##\unskip}&&

```



```

5272 \global\setbox\verse@ii=\hbox{%
5273 \let\@footnotetext\bidipoem@p@fnttext%
5274 \let\@LTRfootnotetext\bidipoem@p@LTRfnttext%
5275 \let\@RTLfootnotetext\bidipoem@p@RTLfnttext%
5276 \let\@xfootnotenext\bidipoem@p@xftntext%
5277 \let\@xfootnote\bidipoem@p@xfootnote%
5278 \let\@xLTRfootnotenext\bidipoem@p@xLTRfnttext%
5279 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
5280 \let\@xRTLfootnotenext\bidipoem@p@xRTLfnttext%
5281 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
5282 \ignorespaces##\unskip}
5283 \cr
5284 }
5285 \def\poem@lineparseend{%
5286 \crr\egroup
5287 \vskip-\baselineskip
5288 }
5289 \def\traditionalpoem@cr{%
5290 \cr\poem@line
5291 }
5292 \newbox\verse@i
5293 \newbox\verse@ii
5294 \newif\ifpoem@started
5295
5296 \def\poem@line{%
5297 \poem@lineparseend
5298 \ifdim\wd\verse@i>\z@\global\poem@startedtrue\fi
5299 \ifdim\wd\verse@ii>\z@\global\poem@startedtrue\fi
5300 \ifpoem@started
5301 \ifdim\wd\verse@ii>\z@\else
5302 \nopagebreak[3]
5303 \fi
5304 \leavevmode
5305 \poem@linebegin
5306 \poem@verse\verse@i
5307 \ifdim\wd\verse@ii>\z@
5308 \poem@lineversesep
5309 \poem@verse\verse@ii
5310 \fi
5311 \poem@lineend
5312 % \nopagebreak
5313 \par
5314 \vskip\poemextrabaseskip
5315 \fi
5316 \poem@lineparsebegin
5317 }
5318 \def\@traditionalpoem{%
5319 \stepcounter{poem@no}
5320 \ifnum\max@poem@no<\number\c@poem@no%
5321 \xdef\poem@width{\z@}%

```




```

5322         \else
5323 \xdef\poem@width{\poem@prop{poem@width}}%
5324 \fi
5325 \xdef\new@poem@width{\z@}%
5326 \global\versewidth=\poem@width

5327 \poemskip\par
5328 \begingroup
5329 \tabskip=\z@
5330 \parskip=\z@
5331 \parindent=\z@
5332 \parfillskip=\z@
5333 \rightskip=\z@
5334 \leftskip=\z@
5335 \widowpenalty=10000% No break between verses of the same line.
5336 \clubpenalty=10000% Same as above. Not really needed.
5337 \def\newblock{\hfil\poemblocksep\hfil\null}%
5338 \def\traditionalpoem@par{\traditionalpoem@cr}% Redefine \par for possible \obeylines
5339 \def\{\global\poem@startedtrue\traditionalpoem@cr}%
5340 \global\poem@startedfalse
5341 \csname poem@obeylines\endcsname
5342 \let\poem@obeylines\relax
5343 \poem@lineparsebegin
5344 }
5345 \def\@endtraditionalpoem{%
5346 \cr
5347 \ifdim\wd\verse@i>\z@\poem@line\else\ifdim\wd\verse@ii>\z@\poem@line\else
5348 \noalign{%
5349 \skip0=\poemextrabaselineskip
5350 \vskip-\skip0
5351 \vskip-\baselineskip
5352 }%
5353 \fi\fi
5354 \poem@lineparseend
5355 \endgroup
5356 \par
5357 \vskip\baselineskip
5358 \poemskip
5359 \if@nparlist \else
5360 \ifdim\lastskip >\z@
5361 \@tempskipa\lastskip \vskip -\lastskip
5362 \advance\@tempskipa\parskip \advance\@tempskipa -\@outerparskip
5363 \vskip\@tempskipa
5364 \fi
5365 \@endparenv
5366 \fi
5367 \ifdim\new@poem@width<\poem@width
5368 \global\let\poem@needrun\relax
5369 \fi
5370 \poem@write@aux{poem@width@\romannumeral\c@poem@no}{\new@poem@width}%

```



```

5371 \ifx\AtEndDocument\undefined\poem@finish\fi
5372 }
5373
5374
5375 \long\def\bidipoem@p@ftntext#1{%
5376   \edef\@tempxi{\the\bidipoem@p@ftn\noexpand\footnotetext[\the\csname c@\@mpfn\endcsname]}%
5377   \global\bidipoem@p@ftn\expandafter{\@tempxi{#1}}}%
5378 \long\def\bidipoem@p@LTRftntext#1{%
5379   \edef\@tempxi{\the\bidipoem@p@ftn\noexpand\LTRfootnotetext[\the\csname c@\@mpfn\endcsname]}%
5380   \global\bidipoem@p@ftn\expandafter{\@tempxi{#1}}}%
5381 \long\def\bidipoem@p@RTLftntext#1{%
5382   \edef\@tempxii{\the\bidipoem@p@ftn\noexpand\RTLfootnotetext[\the\csname c@\@mpfn\endcsname]}%
5383   \global\bidipoem@p@ftn\expandafter{\@tempxii{#1}}}%
5384
5385 \long\def\bidipoem@p@xftntext[#1]#2{%
5386   \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\footnotetext[#1]{#2}}}
5387
5388 \long\def\bidipoem@p@xLTRftntext[#1]#2{%
5389   \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\LTRfootnotetext[#1]{#2}}}
5390
5391 \long\def\bidipoem@p@xRTLftntext[#1]#2{%
5392   \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\RTLfootnotetext[#1]{#2}}}
5393
5394 \def\bidipoem@p@xfootnote[#1]{%
5395   \begingroup
5396     \csname c@\@mpfn\endcsname #1\relax
5397     \unrestored@protected@xdef\@thefnmark{\thempfn}%
5398   \endgroup
5399   \@footnotemark\bidipoem@p@xftntext[#1]}
5400
5401 \def\bidipoem@p@xLTRfootnote[#1]{%
5402   \begingroup
5403     \csname c@\@mpfn\endcsname #1\relax
5404     \unrestored@protected@xdef\@thefnmark{\thempfn}%
5405   \endgroup
5406   \@footnotemark\bidipoem@p@xLTRftntext[#1]}
5407
5408 \def\bidipoem@p@xRTLfootnote[#1]{%
5409   \begingroup
5410     \csname c@\@mpfn\endcsname #1\relax
5411     \unrestored@protected@xdef\@thefnmark{\thempfn}%
5412   \endgroup
5413   \@footnotemark\bidipoem@p@xRTLftntext[#1]}
5414
5415
5416
5417 \newenvironment{traditionalpoem}{\@traditionalpoem}{\@endtraditionalpoem}
5418 \expandafter\def\csname traditionalpoem*\endcsname{\let\poem@obeylines=\traditionalpoem@obeylines}
5419 \expandafter\def\csname endtraditionalpoem*\endcsname{\endtraditionalpoem}
5420 \def\poem@finish{%

```



```

5421 \poem@write@aux{max@poem@no}{\number\c@poem@no}%
5422 \ifx\poem@needrun\relax
5423 \PackageWarning{bidipoem}{Unjustified poem. Rerun XeLaTeX to get poem right}%
5424 \global\let\poem@needrun\undefined
5425 \fi
5426 }
5427 \ifx\AtEndDocument\undefined\else\AtEndDocument\poem@finish\fi
5428 \newcounter{poem@no}\setcounter{poem@no}{\z@}
5429 \ifx\max@poem@no\undefined
5430 \def\max@poem@no{0}%
5431 \fi
5432 \newcommand{\poem@prop}[1]{\@nameuse{#1@\romannumeral\c@poem@no}}
5433 \newcommand{\poem@write@aux}[2]{%
5434 \def\@x{\immediate\write\@auxout{\global\noexpand\@namedef{#1}{#2}}}%
5435 \@x
5436 }
5437 \def\@modernpoem{%
5438 \par
5439 \begingroup
5440 \parskip=\z@
5441 \parindent=\z@
5442 \def\[\{\@settab\@tabplus\ignorespaces}%
5443 \def\]\{\@tabminus\ignorespaces}%
5444 \def\newblock{\poemblocksep}%
5445 \let\newpoem@tabcr\@tabcr
5446 \def\modernpoem@par{% Redefine \par for possible \obeylines
5447 \ifpoem@started\else
5448 \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
5449 \@stopfield
5450 \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
5451 \@contfield
5452 \fi
5453 \fi
5454 \ifpoem@started\newpoem@tabcr\fi}%
5455 \def\@tabcr{\global\poem@startedtrue\newpoem@tabcr}%
5456 \global\poem@startedfalse
5457 \csname poem@obeylines\endcsname
5458 \let\poem@obeylines\relax
5459 \begin{tabbing}%
5460 }
5461 \def\@endmodernpoem{%
5462 \global\poem@startedfalse
5463 \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
5464 \@stopfield
5465 \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
5466 \@contfield
5467 \fi
5468 \ifpoem@started\else\let\@stopline\@stopfield\fi
5469 \end{tabbing}%
5470 \endgroup

```



```

5471 \par
5472 \if@noparlist \else
5473 \ifdim\lastskip >\z@
5474 \@tempskipa\lastskip \vskip -\lastskip
5475 \advance\@tempskipa\parskip \advance\@tempskipa -\@outerparskip
5476 \vskip\@tempskipa
5477 \fi
5478 \@endparenv
5479 \fi
5480 }
5481 \newenvironment{modernpoem}{\@modernpoem}{\@endmodernpoem}
5482 \expandafter\def\csname modernpoem*\endcsname{\let\poem@obeylines=\modernpoem@obeylines\modernpoem}
5483 \expandafter\def\csname endmodernpoem*\endcsname{\endmodernpoem}
5484 \gdef\@startfield{%
5485 \global\setbox\@curfield\hbox\bgroup%
5486 \let\@footnotetext\bidipoem@p@fnttext%
5487 \let\@LTRfootnotetext\bidipoem@p@LTRfnttext%
5488 \let\@RTLfootnotetext\bidipoem@p@RTLfnttext%
5489 \let\@xfootnotenext\bidipoem@p@xftntext%
5490 \let\@xfootnote\bidipoem@p@xfootnote%
5491 \let\@xLTRfootnotenext\bidipoem@p@xLTRfnttext%
5492 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
5493 \let\@xRTLfootnotenext\bidipoem@p@xRTLfnttext%
5494 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
5495 \color@begingroup}
5496 \gdef\@stopfield{%
5497 \color@endgroup\egroup\global\bidipoem@p@ftn\expandafter{\expandafter}\the\bidipoem@p@ftn}
5498 \gdef\@contfield{%
5499 \global\setbox\@curfield\hbox\bgroup%
5500 \let\@footnotetext\bidipoem@p@fnttext%
5501 \let\@LTRfootnotetext\bidipoem@p@LTRfnttext%
5502 \let\@RTLfootnotetext\bidipoem@p@RTLfnttext%
5503 \let\@xfootnotenext\bidipoem@p@xftntext%
5504 \let\@xfootnote\bidipoem@p@xfootnote%
5505 \let\@xLTRfootnotenext\bidipoem@p@xLTRfnttext%
5506 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
5507 \let\@xRTLfootnotenext\bidipoem@p@xRTLfnttext%
5508 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
5509 \color@begingroup\unhbox\@curfield}

```

7.31 boek3-xetex-bidi.def

```

5510 \ProvidesFile{boek3-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for boek3 class for XeTeX et
5511 \renewenvironment{theindex}{%
5512 \if@twocolumn
5513 \@restonecolfalse
5514 \else
5515 \@restonecoltrue
5516 \fi
5517 \columnseprule \z@

```



```

5518 \columnsep 35\p@
5519 \twocolumn[\@makeschapterhead{\indexname}]\%
5520 \mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}\%
5521 \thispagestyle{plain}\parindent\z@
5522 \parskip\z@ \@plus .3\p@\relax
5523 \let\item\@idxitem
5524 }\%
5525 \if@restonecol\onecolumn\else\clearpage\fi}
5526 \renewcommand*\head@style{%
5527   \interlinepenalty \@M
5528   \hyphenpenalty=\@M \exhyphenpenalty=\@M
5529   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
5530 \renewcommand*\@regtocline[3]{%
5531   \ifnum #1>\c@tocdepth
5532   \else
5533     \vskip\z@ \@plus .2\p@
5534     {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
5535     \if@RTL\rightskip\else\leftskip\fi\unitindent
5536     \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
5537     \parfillskip\z@
5538     \@tempdima\unitindent
5539     \parindent\z@
5540     \leavevmode
5541     \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
5542     \hskip 1em \nobreak{\slshape #3}\par
5543     }%
5544   \fi}
5545 \if@oldtoc
5546 \renewcommand*\l@part[2]{%
5547   \ifnum \c@tocdepth >-2\relax
5548     \addpenalty{-\@highpenalty}%
5549     \addvspace{2.25em \@plus\p@}%
5550     \begingroup
5551       \setlength\@tempdima{3em}%
5552       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
5553       \parfillskip -\@pnumwidth
5554       {\leavevmode
5555         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
5556         \nobreak
5557         \global\@nobreaktrue
5558         \everypar{\global\@nobreakfalse\everypar{}}%
5559       \endgroup
5560     \fi}
5561 \else
5562 \renewcommand*\l@part{%
5563   \ifnum \c@tocdepth >-2\relax
5564     \addpenalty{-\@highpenalty}%
5565     \addvspace{2.25em \@plus \p@}%
5566     \@regtocline{0}%
5567   \fi}

```



```

5568 \fi
5569 \if@oldtoc
5570 \renewcommand*\l@chapter[2]{%
5571     \addpenalty{-\@highpenalty}%
5572     \vskip 1.0em \@plus\p@
5573     \setlength\@tempdima{1.5em}%
5574     \begingroup
5575     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
5576     \parfillskip -\@pnumwidth
5577     \leavevmode \bfseries
5578     \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
5579     \hskip -\if@RTL\rightskip\else\leftskip\fi
5580     #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
5581     \penalty\@highpenalty
5582 \endgroup}
5583 \else
5584 \renewcommand*\l@chapter{\@regtocline{0}}
5585 \fi
5586 \renewenvironment{abstract}{%
5587     \titlepage
5588     \null\vfil
5589     \section*{\SectFont \abstractname}
5590     \noindent\ignorespaces}
5591 {\par\vfil\null\endtitlepage}
5592 \renewenvironment{thebibliography}[1]
5593 {\chapter*{\bibname}%
5594     \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
5595     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
5596     \list{\@biblabel{\@arabic{c@enumiv}}}%
5597         {\settowidth\labelwidth{\@biblabel{#1}}%
5598         \leftmargin\labelwidth
5599         \advance\leftmargin\labelsep
5600         \@openbib@code
5601         \usecounter{enumiv}%
5602         \let\p@enumiv\@empty
5603         \renewcommand*\theenumiv{\@arabic{c@enumiv}}}%
5604     \sloppy\clubpenalty4000\widowpenalty4000
5605     \sfcode\@. \@m}
5606 {\def\@noitemerr
5607     {\@latex@warning{Empty `thebibliography' environment}}%
5608     \endlist}
5609 \renewcommand*\left@footnoterule{%
5610     \kern-3\p@
5611     \kern.5\baselineskip
5612     \hrule\@width\unitindent
5613     \kern.4\baselineskip
5614 }
5615 \renewcommand*\right@footnoterule{%
5616     \kern-3\p@
5617     \kern.5\baselineskip

```



```

5618 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
5619 \kern.4\baselineskip}
5620 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
5621 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
5622 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
5623 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
5624 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
5625 \renewcommand*\theequation{%
5626 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
5627 \renewcommand*\thefigure{%
5628 \ifnum \c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
5629 \renewcommand*\thetable{%
5630 \ifnum \c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
5631 \renewcommand*\maketitle{%
5632 \begin{titlepage}%
5633 \let\footnotesize\small
5634 \let\right@footnoterule\relax
5635 \let\left@footnoterule\relax
5636 \let\textwidth@footnoterule\relax
5637 \let \footnote \thanks
5638 \long\def\@makefnmark##1{\parindent\z@
5639 \def\labelitemi{\textendash}\@revlabeltrue
5640 \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
5641 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
5642 \if@compatibility\setcounter{page}{0}\fi
5643 \null\vfil
5644 \vskip 60\p@
5645 \begin{center}%
5646 \TitleFont
5647 {\LARGE \def\\{\penalty -\@M}
5648 \if@allcaps
5649 \expandafter\uc@nothanks\@title\thanks\relax
5650 \else
5651 \@title
5652 \fi\par}%
5653 \vskip 3em%
5654 {\large
5655 \lineskip .75em \parindent\z@
5656 \begin{tabular}[t]{c}%
5657 \if@allcaps
5658 \expandafter\uc@authornothanks\@author\and\relax
5659 \else
5660 \@author
5661 \fi
5662 \end{tabular}\par}%
5663 \vskip 1.5em%
5664 {\large
5665 \if@allcaps
5666 \uppercase\expandafter{\@date}%
5667 \else

```



```

5668         \@date
5669         \fi\par}%
5670     \end{center}\par
5671     \@thanks
5672     \vfil\null
5673 \end{titlepage}%
5674 \setcounter{footnote}{0}%
5675 \global\let\thanks\relax
5676 \global\let\maketitle\relax
5677 \global\let\@thanks\@empty
5678 \global\let\@author\@empty
5679 \global\let\@title\@empty
5680 \global\let\@date\@empty
5681 \global\let\title\relax
5682 \global\let\author\relax
5683 \global\let\date\relax
5684 \global\let\and\relax
5685 }

```

7.32 boek-xetex-bidi.def

```

5686 \ProvidesFile{boek-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for boek class for XeTeX eng
5687 \renewenvironment{theindex}{%
5688     \if@twocolumn
5689         \@restonecolfalse
5690     \else
5691         \@restonecoltrue
5692     \fi
5693     \columnseprule \z@
5694     \columnsep 35\p@
5695     \twocolumn[\@makeschapterhead{\indexname}]{%
5696         \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}}%
5697     \thispagestyle{plain}\parindent\z@
5698     \parskip\z@ \@plus .3\p@\relax
5699     \let\item\@idxitem
5700     }{%
5701     \if@restonecol\onecolumn\else\clearpage\fi}
5702 \renewcommand*{\head@style}{%
5703     \interlinepenalty \@M
5704     \hyphenpenalty=\@M \exhyphenpenalty=\@M
5705     \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
5706 \renewcommand*{\regtocline}[3]{%
5707     \ifnum #1>\c@tocdepth
5708     \else
5709         \vskip\z@ \@plus .2\p@
5710         {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
5711         \if@RTL\rightskip\else\leftskip\fi\unitindent
5712         \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
5713         \parfillskip\z@
5714         \@tempdima\unitindent

```




```

5715 \parindent\z@
5716 \leavevmode
5717 \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
5718 \hskip 1em \nobreak{\slshape #3}\par
5719 }%
5720 \fi}
5721 \if@oldtoc
5722 \renewcommand*\l@part[2]{%
5723 \ifnum \c@tocdepth >-2\relax
5724 \addpenalty{-\@highpenalty}%
5725 \addvspace{2.25em \@plus\p@}%
5726 \begingroup
5727 \setlength\@tempdima{3em}%
5728 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
5729 \parfillskip -\@pnumwidth
5730 {\leavevmode
5731 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
5732 \nobreak
5733 \global\@nobreaktrue
5734 \everypar{\global\@nobreakfalse\everypar{}}%
5735 \endgroup
5736 \fi}
5737 \else
5738 \renewcommand*\l@part{%
5739 \ifnum \c@tocdepth >-2\relax
5740 \addpenalty{-\@highpenalty}%
5741 \addvspace{2.25em \@plus \p@}%
5742 \@regtocline{0}%
5743 \fi}
5744 \fi
5745 \if@oldtoc
5746 \renewcommand*\l@chapter[2]{%
5747 \addpenalty{-\@highpenalty}%
5748 \vskip 1.0em \@plus\p@
5749 \setlength\@tempdima{1.5em}%
5750 \begingroup
5751 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
5752 \parfillskip -\@pnumwidth
5753 \leavevmode \bfseries
5754 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
5755 \hskip -\if@RTL\rightskip\else\leftskip\fi
5756 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
5757 \penalty\@highpenalty
5758 \endgroup}
5759 \else
5760 \renewcommand*\l@chapter{\@regtocline{0}}
5761 \fi
5762 \renewcommand*\left@footnoterule{%
5763 \kern-3\p@
5764 \kern.5\baselineskip

```



```

5765 \hrule\@width\unitindent
5766 \kern.4\baselineskip
5767 }
5768 \renewcommand*\right@footnoterule{%
5769 \kern-3\p@
5770 \kern.5\baselineskip
5771 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
5772 \kern.4\baselineskip}
5773 \renewenvironment{abstract}{%
5774 \titlepage
5775 \null\vfil
5776 \section*{\SectFont \abstractname}
5777 \noindent\ignorespaces}
5778 {\par\vfil\null\endtitlepage}
5779 \renewenvironment{thebibliography}[1]
5780 {\chapter*{\bibname}%
5781 \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
5782 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
5783 \list{\@biblabel{\@arabic\c@enumiv}}%
5784 {\settowidth\labelwidth{\@biblabel{#1}}%
5785 \leftmargin\labelwidth
5786 \advance\leftmargin\labelsep
5787 \@openbib@code
5788 \usecounter{enumiv}%
5789 \let\p@enumiv\@empty
5790 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
5791 \sloppy\clubpenalty4000\widowpenalty4000%
5792 \sfcode`.\@m}
5793 {\def\@noitemerr
5794 {\@latex@warning{Empty `thebibliography' environment}}%
5795 \endlist}
5796 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
5797 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
5798 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
5799 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
5800 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
5801 \renewcommand*\theequation{%
5802 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
5803 \renewcommand*\thefigure{%
5804 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@figure}
5805 \renewcommand*\thetable{%
5806 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@table}
5807 \renewcommand*\maketitle{%
5808 \begin{titlepage}%
5809 \let\footnotesize\small
5810 \let\right@footnoterule\relax
5811 \let\left@footnoterule\relax
5812 \let\textwidth\footnoterule\relax
5813 \let \footnote \thanks
5814 \long\def\@makefnctext##1{\parindent\z@

```



```

5815         \def\labelitemi{\textendash}\@revlabeltrue
5816         \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
5817 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
5818 \if@compatibility\setcounter{page}{0}\fi
5819 \null\vfil
5820 \vskip 60\p@
5821 \begin{center}%
5822   \TitleFont
5823   {\LARGE \def\\{\penalty -\@M}
5824     \if@allcaps
5825       \expandafter\uc@nothanks\@title\thanks\relax
5826     \else
5827       \@title
5828     \fi\par}%
5829 \vskip 3em%
5830 {\large
5831   \lineskip .75em \parindent\z@
5832   \begin{tabular}[t]{c}%
5833     \if@allcaps
5834       \expandafter\uc@authornothanks\@author\and\relax
5835     \else
5836       \@author
5837     \fi
5838   \end{tabular}\par}%
5839 \vskip 1.5em%
5840 {\large
5841   \if@allcaps
5842     \uppercase\expandafter{\@date}%
5843   \else
5844     \@date
5845   \fi\par}%
5846 \end{center}\par
5847 \@thanks
5848 \vfil\null
5849 \end{titlepage}%
5850 \setcounter{footnote}{0}%
5851 \global\let\thanks\relax
5852 \global\let\maketitle\relax
5853 \global\let\@thanks\@empty
5854 \global\let\@author\@empty
5855 \global\let\@title\@empty
5856 \global\let\@date\@empty
5857 \global\let\title\relax
5858 \global\let\author\relax
5859 \global\let\date\relax
5860 \global\let\and\relax
5861 }

```

7.33 `bookest-xetex-bidi.def`



```

5862 \ProvidesFile{bookest-xetex-bidi.def}[2010/07/25 v0.4 bidi adaptations for bookest class for XeT
5863 \def\@makechapterhead#1{%
5864   \vspace*{20\p@}
5865   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
5866     \ifnum \c@secnumdepth >\m@ne
5867       \if@mainmatter
5868         {\colorA\huge\scshape \@chapapp\space \thechapter}
5869         \par\nobreak
5870         \vskip 10\p@
5871       \fi
5872     \fi
5873     \interlinepenalty\@M
5874     {\colorB\hrule}
5875     \vskip 15\p@
5876     \if@RTL\begin{flushleft}\else\begin{flushright}\fi
5877       {\colorA\Huge \bfseries #1}\par\nobreak
5878     \if@RTL\end{flushleft}\else\end{flushright}\fi
5879     \vskip 5\p@
5880     {\colorB\hrule}
5881     \vskip 30\p@
5882   }}
5883 \def\@makeschapterhead#1{%
5884   \vspace*{20\p@}
5885   {\parindent \z@ \raggedright \normalfont
5886     {\colorB\hrule}
5887     \vskip 15\p@
5888     \begin{center}
5889       {\colorA\Huge \bfseries #1}\par\nobreak
5890     \end{center}
5891     \vskip 5\p@
5892     {\colorB\hrule}
5893     \vskip 30\p@
5894   }}

```

7.34 book-xetex-bidi.def

```

5895 \ProvidesFile{book-xetex-bidi.def}[2015/11/14 v0.9 bidi adaptations for standard book class for
5896 \renewenvironment{theindex}
5897   {\if@twocolumn
5898     \@restonecolfalse
5899   \else
5900     \@restonecoltrue
5901   \fi
5902   \columnseprule \z@
5903   \columnsep 35\p@
5904   \twocolumn[\@makeschapterhead{\indexname}]%
5905   \@mkboth{\MakeUppercase\indexname}%
5906     {\MakeUppercase\indexname}%
5907   \thispagestyle{plain}\parindent\z@
5908   \parskip\z@ \@plus .3\p@\relax

```



```

5909             \let\item\@idxitem}
5910             {\if@restonecol\onecolumn\else\clearpage\fi}
5911 \@ifclassloaded{bookest}{\{%
5912   \if@titlepage
5913   \renewcommand\maketitle{\begin{titlepage}%
5914   \let\footnotesize\small
5915   \let\right@footnoterule\relax
5916   \let\left@footnoterule\relax
5917   \let\textwidth\footnoterule\relax
5918   \let \footnote \thanks
5919   \let \LTRfootnote \LTRthanks
5920   \let \RTLfootnote \RTLthanks
5921   \null\vfil
5922   \vskip 60\p@
5923   \begin{center}%
5924     {\LARGE \@title \par}%
5925     \vskip 3em%
5926     {\large
5927       \lineskip .75em%
5928       \begin{tabular}[t]{c}%
5929         \@author
5930         \end{tabular}\par}%
5931       \vskip 1.5em%
5932       {\large \@date \par}%           % Set date in \large size.
5933   \end{center}\par
5934   \@thanks
5935   \vfil\null
5936   \end{titlepage}%
5937   \setcounter{footnote}{0}%
5938   \global\let\thanks\relax
5939   \global\let\LTRthanks\relax
5940   \global\let\RTLthanks\relax
5941   \global\let\maketitle\relax
5942   \global\let\@thanks\@empty
5943   \global\let\@author\@empty
5944   \global\let\@date\@empty
5945   \global\let\@title\@empty
5946   \global\let\title\relax
5947   \global\let\author\relax
5948   \global\let\date\relax
5949   \global\let\and\relax
5950 }
5951 \else
5952 \renewcommand\maketitle{\par
5953   \begingroup
5954     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
5955     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
5956     \long\def\@makefntext##1{\parindent 1em\noindent
5957       \hb@xt@1.8em{%
5958         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%

```



```

5959 \if@twocolumn
5960 \ifnum \col@number=\@ne
5961 \maketitle
5962 \else
5963 \twocolumn[\maketitle]%
5964 \fi
5965 \else
5966 \newpage
5967 \global\@topnum\z@ % Prevents figures from going at top of page.
5968 \maketitle
5969 \fi
5970 \thispagestyle{plain}\@thanks
5971 \endgroup
5972 \setcounter{footnote}{0}%
5973 \global\let\thanks\relax
5974 \global\let\LTRthanks\relax
5975 \global\let\RTLthanks\relax
5976 \global\let\maketitle\relax
5977 \global\let\@maketitle\relax
5978 \global\let\@thanks\@empty
5979 \global\let\@author\@empty
5980 \global\let\@date\@empty
5981 \global\let\@title\@empty
5982 \global\let\title\relax
5983 \global\let\author\relax
5984 \global\let\date\relax
5985 \global\let\and\relax
5986 }
5987 \def\@maketitle{%
5988 \newpage
5989 \null
5990 \vskip 2em%
5991 \begin{center}%
5992 \let \footnote \thanks
5993 \let \LTRfootnote \LTRthanks
5994 \let \RTLfootnote \RTLthanks
5995 {\LARGE \@title \par}%
5996 \vskip 1.5em%
5997 {\large
5998 \lineskip .5em%
5999 \begin{tabular}[t]{c}%
6000 \@author
6001 \end{tabular}\par}%
6002 \vskip 1em%
6003 {\large \@date}%
6004 \end{center}%
6005 \par
6006 \vskip 1.5em}
6007 \fi}
6008 \renewcommand*\l@part[2]{%

```



```

6009 \ifnum \c@tocdepth >-2\relax
6010 \addpenalty{-\@highpenalty}%
6011 \addvspace{2.25em \@plus\p@}%
6012 \setlength\@tempdima{3em}%
6013 \begingroup
6014 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6015 \parfillskip -\@pnumwidth
6016 {\leavevmode
6017 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
6018 \nobreak
6019 \global\@nbreaktrue
6020 \everypar{\global\@nbreakfalse\everypar{}}%
6021 \endgroup
6022 \fi}
6023 \renewcommand*\l@chapter[2]{%
6024 \ifnum \c@tocdepth >\m@ne
6025 \addpenalty{-\@highpenalty}%
6026 \vskip 1.0em \@plus\p@
6027 \setlength\@tempdima{1.5em}%
6028 \begingroup
6029 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6030 \parfillskip -\@pnumwidth
6031 \leavevmode \bfseries
6032 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
6033 \hskip -\if@RTL\rightskip\else\leftskip\fi
6034 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
6035 \penalty\@highpenalty
6036 \endgroup
6037 \fi}
6038 \renewcommand\left@footnoterule{%
6039 \kern-3\p@
6040 \hrule\@width.4\columnwidth
6041 \kern2.6\p@}
6042 \renewcommand\right@footnoterule{%
6043 \kern-3\p@
6044 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
6045 \kern2.6\p@}
6046 \renewcommand\theequation
6047 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
6048 \renewcommand \thefigure
6049 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
6050 \renewcommand \thetable
6051 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
6052 \renewcommand \thechapter {\@arabic\c@chapter}
6053 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
6054 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
6055 \renewcommand \thesubsubsection {\thesubsubsection \@SepMark\@arabic\c@subsubsection}
6056 \renewcommand \theparagraph {\thesubsubsection \@SepMark\@arabic\c@paragraph}
6057 \renewcommand \thesubparagraph {\theparagraph \@SepMark\@arabic\c@subparagraph}
6058 \def\@makechapterhead#1{%

```



```

6059 \vspace*{50\p@}%
6060 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
6061 \ifnum \c@secnumdepth >\m@ne
6062 \if@mainmatter
6063 \huge\bfseries \@chapapp\space \thechapter
6064 \par\nobreak
6065 \vskip 20\p@
6066 \fi
6067 \fi
6068 \interlinepenalty\@M
6069 \Huge \bfseries #1\par\nobreak
6070 \vskip 40\p@
6071 }}
6072 \def\@makeschapterhead#1{%
6073 \vspace*{50\p@}%
6074 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
6075 \normalfont
6076 \interlinepenalty\@M
6077 \Huge \bfseries #1\par\nobreak
6078 \vskip 40\p@
6079 }}
6080 \renewcommand\backmatter{%
6081 \if@openright
6082 \cleardoublepage
6083 \else
6084 \clearpage
6085 \fi
6086 \@mainmatterfalse}
6087 \renewenvironment{thebibliography}[1]
6088 {\chapter*{\bibname}%
6089 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
6090 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
6091 \list{\@biblabel{\@arabic\c@enumiv}}%
6092 {\settowidth\labelwidth{\@biblabel{#1}}%
6093 \leftmargin\labelwidth
6094 \advance\leftmargin\labelsep
6095 \@openbib@code
6096 \usecounter{enumiv}%
6097 \let\p@enumiv\@empty
6098 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
6099 \sloppy
6100 \clubpenalty4000
6101 \@clubpenalty \clubpenalty
6102 \widowpenalty4000%
6103 \sfcode`.\@m}
6104 {\def\@noitemerr
6105 {\@latex@warning{Empty `thebibliography' environment}}%
6106 \endlist}

```



7.35 breqn-xetex-bidi.def

```

6107 \ProvidesFile{breqn-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for breqn package for XeTeX
6108 \def\@dmath[#1]{\if@RTL\@RTLfalse\fi%
6109 \everydisplay\expandafter{\the\everydisplay \display@setup}%
6110 \if@noskipsec \leavevmode \fi
6111 \if@inlabel \leavevmode \global\@inlabelfalse \fi
6112 \if\eq@group\else\eq@prelim\fi
6113 \setkeys{breqn}{#1}%
6114 \the\eqstyle
6115 \eq@setnumber
6116 \begingroup
6117 \eq@setup@a
6118 \eq@startup
6119 }
6120 \def\@dgroup[#1]{\if@RTL\@RTLfalse\fi%
6121 \let\eq@group\@True \global\let\eq@GRP@first@dmath\@True
6122 \global\GRP@queue\@emptytoks \global\setbox\GRP@box\box\voidb@x
6123 \global\let\GRP@label\@empty
6124 \global\grp@wdL\z@\global\grp@wdR\z@\global\grp@wdT\z@
6125 \global\grp@linewidth\z@\global\grp@wdNum\z@
6126 \global\let\grp@eqs@numbered\@False
6127 \global\let\grp@aligned\@True
6128 \global\let\grp@shiftnumber\@False
6129 \eq@prelim
6130 \setkeys{breqn}{#1}%
6131 \if\grp@hasNumber \grp@setnumber \fi
6132 }
6133 \def\@dseries[#1]{\if@RTL\@RTLfalse\fi%
6134 \let\display@setup\dseries@display@setup
6135 % Question: should this be the default for dseries???
6136 \global\eq@wdCond\z@
6137 \@dmath[layout={M},#1]%
6138 \mathsurround\z@\@math \penalty\@Mi
6139 \let\endmath\ends@math
6140 \def\premath{%
6141 \ifdim\lastskip<.3em \unskip
6142 \else\ifnum\lastpenalty<\@M \dquad\fi\fi
6143 }%
6144 \def\postmath{\unpenalty\eq@addpunct \penalty\intermath@penalty \dquad \@ignoretrue}%
6145 \ignorespaces
6146 }
6147 \def\eqnumform#1{\if@Latin\else\beginR\@RTLtrue\fi(#1\@@italiccorr)\if@Latin\else\endR\fi}
6148 \renewenvironment{dsuspend}{%
6149 \global\setbox\EQ@box\vbox\bgroup\if@Latin\else\@RTLtrue\fi \@parboxrestore
6150 \parshape 1 \displayindent \displaywidth\relax
6151 \hsize=\columnwidth \noindent\ignorespaces
6152 }{%
6153 \par\egroup
6154 \global\setbox\GRP@box\vbox{%

```



```

6155 \hbox{\copy\EQ@box\vtop{\unvbox\EQ@box}}}%
6156 \unvbox\GRP@box
6157 }%
6158 \global\GRP@queue\exp{\the\GRP@queue
6159 \elt{\let\eq@isIntertext\@True}}%
6160 }%
6161 }

```

7.36 cals-xetex-bidi.def

```

6162 \ProvidesFile{cals-xetex-bidi.def}[2013/05/28 v0.3 bidi adaptations for cals package for XeTeX e
6163 \renewenvironment{calstable}[1][c]{%
6164 \if@RTL\@RTLtabtrue\cals@activate@rtl\fi
6165 \if l#1%
6166 \if@RTLtab\leftskip\fill \rightskip\z@\else\leftskip\z@ \rightskip\fill\fi
6167 \else\if r#1%
6168 \if@RTLtab\leftskip\z@ \rightskip\fill\else\leftskip\fill \rightskip\z@\fi
6169 \else\if c#1%
6170 \leftskip\fill \rightskip\fill
6171 \fi\fi\fi
6172 \let\cals@thead@tokens=\relax
6173 \let\cals@tfoot@tokens=\relax
6174 \let\cals@tbreak@tokens=\relax
6175 \cals@tfoot@height=0pt \relax
6176 \let\cals@last@context=n%
6177 \let\cals@current@context=b%
6178 \parindent=0pt %
6179 \cals@setpadding{Ag}\cals@setcellprevdepth{A1}\cals@set@tohsize%
6180 %% Alignment inside is independent on center/flushright outside
6181 \parfillskip=0pt plus1fil\relax
6182 \let\cals@borderL=\relax
6183 \let\cals@borderR=\relax
6184 \let\cals@borderT=\relax
6185 \let\cals@borderB=\relax
6186 }{% End of the table
6187 \cals@tfoot@tokens\lastrule\@RTLtabfalse}
6188
6189 \renewcommand\alignL{%
6190 \dimen0=\cals@paddingL \if@RTLtab\cals@paddingL=\dimen0 plus 1fill\else\cals@paddingL=\dimen0\
6191 \dimen0=\cals@paddingR \cals@paddingR=\dimen0 \relax}
6192
6193 \renewcommand\alignR{%
6194 \dimen0=\cals@paddingL \if@RTLtab\cals@paddingL=\dimen0\else\cals@paddingL=\dimen0 plus 1fill\
6195 \dimen0=\cals@paddingR \cals@paddingR=\dimen0 \relax}

```

7.37 caption-xetex-bidi.def

```

6196 \ProvidesFile{caption-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for caption package for X
6197 \let\@makecaption\caption@makecaption

```

7.38 caption3-xetex-bidi.def



```

6198 \ProvidesFile{caption3-xetex-bidi.def}[2013/04/01 v0.1 bidi adaptations for caption3 package for
6199 \renewcommand*\caption@par{%
6200 \parindent\caption@parindent\hangindent\if@RTL-\fi\caption@hangindent}%

```

7.39 colortbl-xetex-bidi.def

```

6201 \ProvidesFile{colortbl-xetex-bidi.def}[2012/06/10 v0.2 bidi adaptations for colortbl package for
6202 \def\CT@setup{%
6203 \@tempdimb\col@sep
6204 \@tempdimc\col@sep
6205 \def\CT@color{%
6206 \global\let\CT@do@color\CT@do@color
6207 \bidicolor}}
6208 \def\@classz{\@classx
6209 \@tempcnta \count@
6210 \prepnext@tok
6211 \expandafter\CT@extract\the\toks\@tempcnta\columncolor!\@nil
6212 \@addtopreamble{\if@RTLtab\beginL\fi%
6213 \setbox\z@\hbox\bgroup\bgroup\if@RTLtab\beginR\fi
6214 \ifcase \@chnum
6215 \hskip\stretch{.5}\kern\z@
6216 \dollarbegin
6217 \insert@column
6218 \dollarend\hskip\stretch{.5}\or
6219 \dollarbegin \insert@column \dollarend \hfill \or
6220 \hfill\kern\z@ \dollarbegin \insert@column \dollarend \or
6221 $\vcenter
6222 \@startpbox{\@nextchar}\insert@column \@endpbox $\or
6223 \vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
6224 \vbox \@startpbox{\@nextchar}\insert@column \@endpbox
6225 \fi
6226 \if@RTLtab\endR\fi\egroup\egroup
6227 \begingroup
6228 \CT@setup
6229 \CT@column@color
6230 \CT@row@color
6231 \CT@cell@color
6232 \CT@do@color
6233 \endgroup
6234 \@tempdima\ht\z@
6235 \advance\@tempdima\minrowclearance
6236 \vrule\@height\@tempdima\@width\z@
6237 \unhbox\z@\if@RTLtab\endL\fi}%
6238 \prepnext@tok}

```

7.40 color-xetex-bidi.def

```

6239 \ProvidesFile{color-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for color package for XeTeX
6240 \long\def\color@b@x#1#2#3{%
6241 \leavevmode\ifmmode\else\if@RTL\beginL\fi\fi
6242 \setbox\z@\hbox{\kern\fbboxsep\set@color\if@RTL\beginR\fi#3\if@RTL\endR\fi}\kern\fbboxsep}%

```



```

6243 \dimen@ht\z@advance\dimen@fboxsep\ht\z@dimen@
6244 \dimen@dp\z@advance\dimen@fboxsep\dp\z@dimen@
6245 {#1{#2\color@block{\wd\z@}{\ht\z@}{\dp\z@}%
6246 \box\z@}}\ifmode\else\if@RTL\endL\fi\fi}
6247 \def\normalcolor{\let\current@color\default@color\ifmode\if@RTL\beginL\aftergroup\endR\fi\fi}
6248 \DeclareRobustCommand\color{%
6249 \ifmode\if@RTL\beginL\aftergroup\endR\fi\fi\@ifnextchar[\@undeclaredcolor\@declaredcolor}
6250 \def\@declaredcolor#1{%
6251 \@ifundefined{\string\color @#1}%
6252 {\c@lor@error{`#1'}}%
6253 {\expandafter\let\expandafter\current@color
6254 \csname\string\color @#1\endcsname
6255 \set@color}%
6256 \ifmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
6257 \def\@undeclaredcolor[#1]#2{%
6258 \@ifundefined{color@#1}%
6259 {\c@lor@error{model `#1'}}%
6260 {\csname color@#1\endcsname\current@color{#2}%
6261 \set@color}%
6262 \ifmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
6263 \DeclareRobustCommand\bidicolor{%
6264 \@ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor}
6265 \def\@bidiundeclaredcolor[#1]#2{%
6266 \@ifundefined{color@#1}%
6267 {\c@lor@error{model `#1'}}%
6268 {\csname color@#1\endcsname\current@color{#2}%
6269 \set@color}%
6270 \ignorespaces}
6271 \def\@bidideclaredcolor#1{%
6272 \@ifundefined{\string\color @#1}%
6273 {\c@lor@error{`#1'}}%
6274 {\expandafter\let\expandafter\current@color
6275 \csname\string\color @#1\endcsname
6276 \set@color}%
6277 \ignorespaces}
6278 \def\color@box#1#2{\color@b@x\relax{\bidicolor#1{#2}}}
6279 \def\color@fbox#1#2#3{%
6280 \color@b@x{\fboxsep\z@\bidicolor#1{#2}\fbox}{\bidicolor#1{#3}}}
6281 \def\color@setgroup{\begingroup\ifmode\if@RTL\beginL\aftergroup\endR\fi\fi\set@color\ifmode

```

7.41 combine-xetex-bidi.def

```

6282 \ProvidesFile{combine-xetex-bidi.def}[2011/09/23 v0.1 bidi adaptations for combine class for XeT
6283 \renewcommand{\c@ll@chapsecii}[2]{%
6284 \if@RTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
6285 \if@RTL\hskip -\rightskip\else\hskip -\leftskip\fi
6286 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
6287 }
6288 \renewcommand{\c@ll@chapseci}{%
6289 \setlength\@tempdima{0em}%

```



```

6290 \begingroup
6291 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6292 \parfillskip -\@pnumwidth
6293 \leavevmode
6294 }
6295 \renewenvironment{tocindent}[1]{%
6296 \hangindent \if@RTL-\fi#1 \hangafter -100\relax}{}

```

7.42 crop-xetex-bidi.def

```

6297 \ProvidesFile{crop-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for crop package for XeTeX e
6298 \renewcommand*\CROP@ulc{%
6299 \if@RTLmain%
6300 \begin{picture}(0,0)
6301 \unitlength\p@\thinlines
6302 \put(-40,0){\circle{10}}
6303 \put(-30,-5){\line(0,1){10}}
6304 \put(-35,0){\line(1,0){30}}
6305 \put(-10,30){\circle{10}}
6306 \put(-5,30){\line(1,0){10}}
6307 \put(0,35){\line(0,-1){30}}
6308 \end{picture}%
6309 \else%
6310 \begin{picture}(0,0)
6311 \unitlength\p@\thinlines
6312 \put(-30,0){\circle{10}}
6313 \put(-30,-5){\line(0,1){10}}
6314 \put(-35,0){\line(1,0){30}}
6315 \put(0,30){\circle{10}}
6316 \put(-5,30){\line(1,0){10}}
6317 \put(0,35){\line(0,-1){30}}
6318 \end{picture}%
6319 \fi%
6320 }
6321 \renewcommand*\CROP@urc{%
6322 \if@RTLmain%
6323 \begin{picture}(0,0)
6324 \unitlength\p@\thinlines
6325 \put(20,0){\circle{10}}
6326 \put(30,-5){\line(0,1){10}}
6327 \put(35,0){\line(-1,0){30}}
6328 \put(-10,30){\circle{10}}
6329 \put(-5,30){\line(1,0){10}}
6330 \put(0,35){\line(0,-1){30}}
6331 \end{picture}%
6332 \else%
6333 \begin{picture}(0,0)
6334 \unitlength\p@\thinlines
6335 \put(30,0){\circle{10}}
6336 \put(30,-5){\line(0,1){10}}

```



```

6337      \put(35,0){\line(-1,0){30}}
6338      \put(0,30){\circle{10}}
6339      \put(-5,30){\line(1,0){10}}
6340      \put(0,35){\line(0,-1){30}}
6341      \end{picture}%
6342      \fi%
6343 }
6344 \renewcommand*\CROP@llc{%
6345   \if@RTLmain%
6346     \begin{picture}(0,0)
6347       \unitlength\p@\thinlines
6348       \put(-40,0){\circle{10}}
6349       \put(-30,-5){\line(0,1){10}}
6350       \put(-35,0){\line(1,0){30}}
6351       \put(-10,-30){\circle{10}}
6352       \put(-5,-30){\line(1,0){10}}
6353       \put(0,-35){\line(0,1){30}}
6354     \end{picture}%
6355   \else%
6356     \begin{picture}(0,0)
6357       \unitlength\p@\thinlines
6358       \put(-30,0){\circle{10}}
6359       \put(-30,-5){\line(0,1){10}}
6360       \put(-35,0){\line(1,0){30}}
6361       \put(0,-30){\circle{10}}
6362       \put(-5,-30){\line(1,0){10}}
6363       \put(0,-35){\line(0,1){30}}
6364     \end{picture}%
6365     \fi%
6366 }
6367 \renewcommand*\CROP@lrc{%
6368   \if@RTLmain%
6369     \begin{picture}(0,0)
6370       \unitlength\p@\thinlines
6371       \put(20,0){\circle{10}}
6372       \put(30,-5){\line(0,1){10}}
6373       \put(35,0){\line(-1,0){30}}
6374       \put(-10,-30){\circle{10}}
6375       \put(-5,-30){\line(1,0){10}}
6376       \put(0,-35){\line(0,1){30}}
6377     \end{picture}%
6378   \else%
6379     \begin{picture}(0,0)
6380       \unitlength\p@\thinlines
6381       \put(30,0){\circle{10}}
6382       \put(30,-5){\line(0,1){10}}
6383       \put(35,0){\line(-1,0){30}}
6384       \put(0,-30){\circle{10}}
6385       \put(-5,-30){\line(1,0){10}}
6386       \put(0,-35){\line(0,1){30}}

```



```

6387 \end{picture}%
6388 \fi%
6389 }
6390 \@ifpackagewith{crop}{cam}{%
6391 \CROP@execopt{cam}%
6392 }{}

```

7.43 cutwin-xetex-bidi.def

```

6393 \ProvidesFile{cutwin-xetex-bidi.def}[2011/11/12 v0.1 bidi adaptations for cutwin package for XeT
6394 \renewcommand*{\c@twcompctr}[2]{%
6395 \def\c@twfirst{1}
6396 \loop\advance\c@twwinlines\m@ne
6397 \setbox\c@twslicea=\vsplit#1 to\baselineskip
6398 \setbox\c@twsliceb=\vsplit#1 to\baselineskip
6399 \c@twprune{\c@twslicea}{\c@twlftside}%
6400 \c@twprune{\c@twsliceb}{\c@twrtside}%
6401 \ifnum\c@twfirst=\@ne
6402 \setbox#2=\vbox{\unvbox#2\hbox
6403 to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\pageinwindow\hfil\if@RTL\box\c@twsl
6404 \else
6405 \setbox#2=\vbox{\unvbox#2\hbox
6406 to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\if@RTL\box\c@twslicea\else\box
6407 \fi
6408 \def\c@twfirst{2}
6409 \ifnum\c@twwinlines>\z@\repeat}
6410 \renewcommand*{\c@twcompodctr}[2]{%
6411 \def\c@twrounds{1}
6412 \def\c@twfirst{1}
6413 \@for\c@twlspec:=\c@twb\do{%
6414 \ifnum\c@twrounds=1
6415 \setbox\c@twslicea=\vsplit#1 to\baselineskip % first of pair
6416 \c@twprune{\c@twslicea}{\c@twlspec}%
6417 \def\c@twrounds{2}
6418 \else
6419 \setbox\c@twsliceb=\vsplit#1 to\baselineskip % second of pair
6420 \c@twprune{\c@twsliceb}{\c@twlspec}%
6421 \ifnum\c@twfirst=1
6422 \setbox#2=\vbox{\unvbox#2\hbox
6423 to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\picinwindow\hfil\if@RTL\box
6424 \def\c@twfirst{2}
6425 \else
6426 \setbox#2=\vbox{\unvbox#2\hbox
6427 to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\if@RTL\box\c@twslicea\else\box
6428 \fi
6429 \def\c@twrounds{1}
6430 \fi}}

```

7.44 cuted-xetex-bidi.def

```

6431 \ProvidesFile{cuted-xetex-bidi.def}[2013/04/10 v0.3 bidi adaptations for cuted package for XeTe

```



```

6432 \def\RTL@outputdblcol{%
6433 \if@firstcolumn \global\@firstcolumnfalse
6434 \global\setbox\@leftcolumn \box\@outputbox
6435 \else
6436 \global\@firstcolumntrue
6437 \setbox\@outputbox \vbox {\hbox to\textwidth {%
6438 \hskip \columnwidth
6439 \hfil \vrule width\columnseprule \hfil
6440 \hbox to\columnwidth {\box\@leftcolumn \hss}%
6441 \hskip -\textwidth
6442 \hbox to\columnwidth{\box\@outputbox \hss}%
6443 \hskip \columnsep
6444 \hskip \columnwidth }}%
6445 \ifvoid\hold@viper
6446 \else
6447 \setbox\@outputbox \vbox to\textheight{%
6448 \box\hold@viper
6449 \box\@outputbox
6450 \vss
6451 }%
6452 \fi
6453 \@combinedblfloats \@outputpage
6454 \begingroup \@dblfloatplacement \@startdblcolumn
6455 \@whiles\if@fcolmade \fi
6456 {\@outputpage \@startdblcolumn }%
6457 \ifvoid\@viper
6458 \else
6459 \global\setbox\@viper\vbox{%
6460 \vskip-\stripsep
6461 \unvbox\@viper
6462 }%
6463 \@viperoutput
6464 \fi
6465 \endgroup
6466 \fi}
6467 \def\LTR@outputdblcol{%
6468 \if@firstcolumn
6469 \global \@firstcolumnfalse
6470 \global \setbox\@leftcolumn \box\@outputbox
6471 \else
6472 \global\@firstcolumntrue
6473 \setbox\@outputbox \vbox {%
6474 \hb@xt@\textwidth {%
6475 \hb@xt@\columnwidth {%
6476 \box\@leftcolumn \hss}%
6477 \hfil
6478 \vrule \@width\columnseprule
6479 \hfil
6480 \hb@xt@\columnwidth {%
6481 \box\@outputbox \hss}%

```




```

6482                                     }%
6483                                     }%
6484 \ifvoid\hold@viper
6485 \else
6486   \setbox\@outputbox \vbox to\textheight{%
6487                                     \box\hold@viper
6488                                     \box\@outputbox
6489                                     \vss
6490                                     }%
6491 \fi
6492 \@combinedblfloats
6493 \@outputpage
6494 \beginngroup
6495   \@dblfloatplacement
6496   \@startdblcolumn
6497   \@whiles\if@fcolmade \fi
6498   {\@outputpage
6499    \@startdblcolumn}%
6500 \ifvoid\@viper
6501 \else
6502   \global\setbox\@viper\vbox{%
6503                                     \vskip-\stripsep
6504                                     \unvbox\@viper
6505                                     }%
6506   \@viperoutput
6507   \fi
6508 \endgroup
6509 \fi
6510 }
6511 \def \@addviper {%
6512 \if@firstcolumn
6513   \@insertfalse
6514   \@reqcolroom .5\@pageht
6515   \ht@viper\@reqcolroom
6516   \advance \@reqcolroom \ht@viper
6517   \advance \@reqcolroom \stripsep
6518   \ifvoid\hold@viper\@tempdima=\z@\else\@tempdima\ht\hold@viper\fi
6519 %%
6520   \@tempdimb \ht@viper
6521   \loop
6522   \setbox\v@aaa\copy\@holdpg
6523   \setbox\v@ccc\vbox to\@tempdimb{%
6524                                     \vsplit\v@aaa to\@tempdimb\vss\vsplit\v@aaa to\@tempdimb}%
6525   \wlog{Extra height:\the\ht\v@aaa\space when \the\@tempdimb}%
6526   \ifvoid\v@aaa \else \advance\@tempdimb 1pt \repeat
6527   \loop
6528   \setbox\v@aaa\copy\@holdpg
6529   \setbox\v@ccc\vbox to\@tempdimb{%
6530                                     \vsplit\v@aaa to\@tempdimb\vss}%
6531   \wlog{(2)Left:\the\ht\v@ccc\space Right:\the\ht\v@aaa\space Output:\the\@tempdimb}%

```



```

6532 \ifdim \ht\v@ccc<\ht\v@aaa \@tempdimb \the\ht\v@aaa \repeat
6533 \wlog{- LAST -^^JLeft:\the\ht\v@ccc^^JRight:\the\ht\v@aaa^^JOutput:\the\@tempdimb}%
6534 \setbox\v@ccc\vbox to\@tempdimb{%
6535 \vsplit\@holdpg to\@tempdimb\vss}%
6536 %%
6537 \setbox\@tempboxa \vbox {%
6538 \hb@xt@\textwidth {%
6539 \if@RTLmain%
6540 \hskip \columnwidth
6541 \hfil \vrule width\columnseprule \hfil
6542 \hb@xt@\columnwidth {%
6543 \vbox to\ht@viper{\box\v@ccc\vss} \hss}%
6544 \hskip -\textwidth
6545 \hb@xt@\columnwidth {%
6546 \vbox to\ht@viper{\box\@holdpg\vss} \hss}%
6547 \hskip \columnsep
6548 \hskip \columnwidth
6549 \else%
6550 \hb@xt@\columnwidth {%
6551 \vbox to\ht@viper{\box\v@ccc\vss} \hss}%
6552 \hfil
6553 \vrule \@width\columnseprule
6554 \hfil
6555 \hb@xt@\columnwidth {%
6556 \vbox to\ht@viper{\box\@holdpg\vss} \hss}%
6557 \fi}%
6558 }%
6559 \ifvoid\hold@viper
6560 \global\setbox\hold@viper \vbox {%
6561 \unvbox\@tempboxa
6562 \penalty\interlinepenalty
6563 \vskip\stripsep
6564 \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
6565 \outputpenalty \z@
6566 }%
6567 \else
6568 \global\setbox\hold@viper \vbox {%
6569 \unvbox\hold@viper
6570 \unvbox\@tempboxa
6571 \penalty\interlinepenalty
6572 \vskip\stripsep
6573 \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
6574 \outputpenalty \z@
6575 }%
6576 \fi
6577 \ifdim \@colroom>\@reqcolroom
6578 \global\setbox\hold@viper \vbox {%
6579 \unvbox\hold@viper
6580 \box\@viper
6581 \penalty\interlinepenalty

```



```

6582         \vskip\stripsep
6583         \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
6584         \outputpenalty \z@
6585         }%
6586     \@inserttrue
6587     \advance\@tempdima by-\ht\hold@viper
6588     \global \advance \@colht \@tempdima
6589     \ifdim \@colht<2.5\baselineskip
6590     \@latex@warning@no@line {Optional argument of \noexpand\twocolumn
6591         too tall on page \thepage (1 stulpelis)}%
6592         \@emptycol
6593         \if@firstcolumn
6594         \else
6595             \@emptycol
6596         \fi
6597         \global\@lastvipertrue
6598     \else
6599         \global \vsize \@colht
6600         \global \@colroom \@colht
6601         \check@floats
6602         \ifdim\@tempdima>\z@
6603             \global\advance\@colroom by-\@tempdima
6604         \fi
6605         \ifdim\@colroom<\z@
6606             \global\@colroom 1pt
6607             \ifdim\@tempdima>\@colht
6608                 \@latex@warning@no@line {TOP ir/ar BOT FLOAT's
6609                     netelpa lape \thepage (1 stulpelis)}%
6610             \fi
6611             \@emptycol
6612             \if@firstcolumn
6613             \else
6614                 \@emptycol
6615             \fi
6616             \global\@lastvipertrue
6617         \fi
6618     \fi
6619 \fi
6620 \else
6621     \@insertfalse
6622     \@reqcolroom\@colht
6623     \advance\@reqcolroom \@pageht
6624     \ht@viper.5\@reqcolroom
6625     \@reqcolroom\ht@viper
6626     \advance \@reqcolroom \ht@viper
6627     \advance \@reqcolroom \stripsep
6628     \if@flushend@auto@baselineskip
6629         \setbox\@tempboxa\box{\unvcopy\@leftcolumn
6630             \global\lastskip@d\lastskip
6631             \global\lastskip@b\lastskip

```



```

6632      \loop
6633      \global\lastskip@a\lastskip@b
6634      \unskip\unpenalty
6635      \global\lastskip@b\lastskip
6636      \global\advance\lastskip@d by\lastskip
6637      \ifdim\lastskip@b=-\lastskip@a
6638      \global\advance\lastskip@d by-\lastskip
6639      \else
6640      \repeat
6641      \ifdim\lastskip@b=-\lastskip@a
6642      \ifdim\lastskip@b=\z@
6643      \setbox\lastbox@a\lastbox
6644      \global\advance\lastskip@d by\ht\lastbox@a
6645      \global\advance\lastskip@d by\lastskip
6646      \unskip\unpenalty
6647      \setbox\lastbox@a\lastbox
6648      \global\advance\lastskip@d by\dp\lastbox@a
6649      \else
6650      \global\lastskip@d\lastskip
6651      \global\advance\lastskip@d by\topskip
6652      \fi
6653      \fi
6654      \global\advance\lastskip@d by-\topskip
6655      }%
6656      \ifdim\ht\@holdpg>\@colht
6657      \global\setbox\@holdpg\vbox{\unvbox\@leftcolumn\unskip\unpenalty
6658      \par\eject
6659      \vbox to \@colht{\unvbox\@holdpg\unskip}}%
6660      }%
6661      \else
6662      \global\setbox\@holdpg\vbox{%
6663      \unvbox\@leftcolumn\unskip\unpenalty
6664      \vskip\lastskip@d
6665      \the\At@ViperColsBreak
6666      \unvbox\@holdpg
6667      \unskip
6668      }%
6669      \fi
6670      \else
6671      \global\setbox\@holdpg\vbox{%
6672      \unvbox\@leftcolumn
6673      \setbox\@tempboxa\lastbox
6674      \on@stripcols@break
6675      \the\At@ViperColsBreak
6676      \unvbox\@holdpg
6677      }%
6678      \fi
6679      \global\At@ViperColsBreak{}%
6680      \ht@viper .5\ht\@holdpg
6681      \ifdim \ht@viper>\@colht

```



```

6682      \ht@viper \colht
6683    \fi
6684    \ifvoid\hold@viper\@tempdima=z@\else\@tempdima\ht\hold@viper\fi
6685  %%
6686    \@tempdimb \ht@viper
6687  \loop
6688    \setbox\v@aaa\copy\@holdpg
6689    \setbox\v@ccc\vbox to\@tempdimb{%
6690      \vsplit\v@aaa to\@tempdimb
6691      \vss
6692      \vsplit\v@aaa to\@tempdimb
6693    }%
6694    \wlog{Extra height:\the\ht\v@aaa\space when \the\@tempdimb}%
6695    \ifvoid\v@aaa
6696    \else
6697      \advance\@tempdimb 1\p@
6698    \repeat
6699    \loop
6700      \setbox\v@aaa\copy\@holdpg
6701      \setbox\v@ccc\vbox to\@tempdimb{\vsplit\v@aaa to\@tempdimb\vss}%
6702      \wlog{(2)Left:\the\ht\v@ccc\space
6703        Right:\the\ht\v@aaa\space
6704        Output:\the\@tempdimb
6705      }%
6706      \ifdim\ht\v@ccc<\ht\v@aaa
6707        \@tempdimb \the\ht\v@aaa
6708      \repeat
6709      \wlog{- LAST -^^JLeft:\the\ht\v@ccc
6710        ^^JRight:\the\ht\v@aaa
6711        ^^JOutput:\the\@tempdimb
6712      }%
6713      \setbox\v@ccc\vbox to\@tempdimb{\vsplit\@holdpg to\@tempdimb\vss}%
6714      \setbox\@tempboxa\vbox{%
6715        \hb@xt@\textwidth {%
6716          \hb@xt@\columnwidth{\vbox to\ht@viper{\box\v@ccc\vss} \hss}%
6717          \hfil
6718          \vrule \@width\columnseprule
6719          \hfil
6720          \hb@xt@\columnwidth {\vbox to\ht@viper{\box\@holdpg\vss} \hss}%
6721        }%
6722      }%
6723    \ifvoid\hold@viper
6724      \global\setbox\hold@viper \vbox {%
6725        \unvbox\@tempboxa
6726        \penalty\interlinepenalty
6727        \vskip\stripsep
6728        \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
6729        \outputpenalty \z@
6730      }%
6731    \else

```



```

6732     \global\setbox\hold@viper \vbox {%
6733         \unvbox\hold@viper
6734         \unvbox\@tempboxa
6735         \penalty\interlinepenalty
6736         \vskip\stripsep
6737         \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
6738         \outputpenalty \z@
6739         }%
6740 \fi
6741 \ifdim \@colht>\@reqcolroom
6742     \global\setbox\hold@viper \vbox {%
6743         \unvbox\hold@viper
6744         \box\@viper
6745         \penalty\interlinepenalty
6746         \vskip\stripsep
6747         \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
6748         \outputpenalty \z@
6749         }%
6750 \@inserttrue
6751 \global\@firstcolumntrue
6752 \advance\@tempdima by-\ht\hold@viper
6753 \global \advance \@colht \@tempdima
6754 \ifdim \@colht<2.5\baselineskip
6755 \@latex@warning@no@line {Optional argument of \noexpand\twocolumn
6756                             too tall on page \thepage (2 stulpelis)}}%
6757     \emptycol
6758     \if@firstcolumn
6759     \else
6760         \emptycol
6761     \fi
6762     \global\@lastvipertrue
6763 \else
6764     \global \vsize \@colht
6765     \global \@colroom \@colht
6766     \check@floats
6767     \ifdim\@tempdima>\z@
6768         \global\advance\@colroom by-\@tempdima
6769     \fi
6770     \ifdim\@colroom<\z@
6771         \global\@colroom 1pt
6772         \ifdim\@tempdima>\@colht
6773             \@latex@warning@no@line {TOP ir/ar BOT FLOAT's
6774                                     netelpa lape \thepage (2 stulpelis)}}%
6775         \fi
6776         \emptycol
6777         \if@firstcolumn
6778         \else
6779             \emptycol
6780         \fi
6781         \global\@lastvipertrue

```



```

6782         \fi
6783     \fi
6784 \fi
6785 \fi
6786 \if@insert
6787 \else
6788     \advance\@tempdima by-\ht\hold@viper
6789     \global \advance \colht \@tempdima
6790     \global\setbox\hold@viper \vbox {%
6791                                     \unvbox\hold@viper
6792                                     \csname viper@top@hook\endcsname
6793                                     \vsplit\@viper to \colht
6794                                     \vss
6795                                     }%
6796     \vbox{}%
6797     \global\@firstcolumnfalse
6798     \newpage
6799 \fi
6800 }

```

7.45 cvthemebidicasual.sty

```

6801 \NeedsTeXFormat{LaTeX2e}
6802 \ProvidesPackage{cvthemebidicasual}
6803 \DeclareOption{blue}{\}
6804 \newif\if@colourorange\@colourorangefalse
6805 \DeclareOption{orange}{\@colourorange true}
6806 \newif\if@colourgreen\@colourgreenfalse
6807 \DeclareOption{green}{\@colourgreentru e}
6808 \newif\if@colourred\@colourredfalse
6809 \DeclareOption{red}{\@colourred true}
6810 \newif\if@colourgrey\@colourgreyfalse
6811 \DeclareOption{grey}{\@colourgrey true}
6812 \DeclareOption*{
6813     \PackageWarning{cvthemebidicasual}{Unknown option ‘\CurrentOption’}}
6814 \ExecuteOptions{colour}
6815 \ProcessOptions\relax
6816 \renewcommand*{\listitemsymbol}{\textbullet}
6817 \definecolor{firstnamecolor}{rgb}{0.65,0.65,0.65}
6818 \familynamecolour{808080}
6819 \firstnamecolour{A9A9A9}
6820 \quotecolour{696969}
6821 \addresscolour{696969}
6822 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.50,0.75}
6823 \sectiontitlecolour{1E90FF}
6824 \subsectioncolour{4682B4}
6825 \definecolor{rulecolour}{gray}{0.6}
6826 \definecolor{footersymbolcolour}{rgb}{0.25,0.50,0.75}
6827 \definecolor{footersymbolcolor}{rgb}{0.25,0.50,0.75}
6828 \if@colourorange

```



```

6829 \definecolor{sectionrectanglecolor}{rgb}{1.00,0.65,0.20}
6830 \definecolor{sectionrectanglecolor}{rgb}{1.00,0.65,0.20}
6831 \sectiontitlecolour{FF8C00}
6832 \subsectioncolour{FF8C00}
6833 \definecolor{footersymbolcolour}{rgb}{0.95,0.55,0.15}
6834 \definecolor{footersymbolcolor}{rgb}{0.95,0.55,0.15}\fi
6835 \if@colourgreen
6836 \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
6837 \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}
6838 \sectiontitlecolour{008000}
6839 \subsectioncolour{008000}
6840 \definecolor{footersymbolcolour}{rgb}{0.30,0.65,0.15}
6841 \definecolor{footersymbolcolor}{rgb}{0.30,0.65,0.15}\fi
6842 \if@colourred
6843 \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
6844 \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
6845 \sectiontitlecolour{FF0000}
6846 \subsectioncolour{FF0000}
6847 \definecolor{footersymbolcolour}{rgb}{0.95,0.20,0.20}
6848 \definecolor{footersymbolcolor}{rgb}{0.95,0.20,0.20}\fi
6849 \if@colourgrey
6850 \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
6851 \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
6852 \sectiontitlecolour{808080}
6853 \subsectioncolour{808080}
6854 \definecolor{footersymbolcolour}{rgb}{0.35,0.35,0.35}
6855 \definecolor{footersymbolcolor}{rgb}{0.35,0.35,0.35}\fi
6856 \renewcommand*{\ttdefault}{pcr}
6857 \renewcommand*{\firstnamefont}{\fontsize{38}{40}\mdseries\upshape}
6858 \renewcommand*{\familynamefont}{\firstnamefont}
6859 \renewcommand*{\addressfont}{\normalsize\mdseries\slshape}
6860 \renewcommand*{\quote font}{\large\slshape}
6861 \renewcommand*{\sectionfont}{\Large\mdseries\upshape}
6862 \renewcommand*{\subsectionfont}{\large\mdseries\upshape}
6863 \renewcommand*{\maketitle}{%
6864   {%
6865     \ifthenelse{\isundefined{\@photo}}{%
6866       {%
6867         {\color{firstnamecolor}\framebox{\includegraphics[width=\@photowidth]{\@photo}}}%
6868         \hfill%
6869         \bidi@raggedleft{\firstnamestyle{\@firstname}~\familynamestyle{\@familyname}}\[-.35em]}%
6870         {\color{firstnamecolor}\rule{\textwidth}{.25ex}\[2.5em]}%
6871       \ifthenelse{\isundefined{\@quote}}{%
6872         {%
6873           {\centering{\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}\[2.
6874           }%
6875 \newif\if@firstfooterelement\@firstfooterelementtrue
6876 \providecommand*{\footersymbol}{%
6877 \renewcommand*{\footersymbol}{%
6878 \if@firstfooterelement%

```




```

6879 \else%
6880 { ~\color{footersymbolcolor}\textbullet~~}\fi}
6881 \providecommand*\makefooter{}
6882 \renewcommand*\makefooter{%
6883 \fancypagestyle{plain}{%
6884 \fancyfoot[c]{%
6885 \parbox{0.8\textwidth}{%
6886 \centering%
6887 \addressfont\@addresscolour%
6888 \ifthenelse{\isundefined{\@address}}{}{%
6889 \addresssymbol~\@address\\%
6890 \@firstfooterelementfalse}%
6891 \ifthenelse{\isundefined{\@mobile}}{}{\mobilesymbol~\@mobile\@firstfooterelementfalse}%
6892 \ifthenelse{\isundefined{\@phone}}{}{\footersymbol\phonesymbol~\@phone\@firstfooterelementfalse}%
6893 \ifthenelse{\isundefined{\@fax}}{}{\footersymbol\faxsymbol~\@fax\@firstfooterelementfalse}%
6894 \ifthenelse{\isundefined{\@email}}{}{\footersymbol\emailsymbol~\email\@firstfooterelementfalse}%
6895 \ifthenelse{\isundefined{\@extrainfo}}{}{\footersymbol\@extrainfo\@firstfooterelementfalse}%
6896 }%
6897 \pagestyle{plain}}
6898 \AtBeginDocument{\makefooter}

```

7.46 cvthemebidiclassic.sty

```

6899 \NeedsTeXFormat{LaTeX2e}
6900 \ProvidesPackage{cvthemebidiclassic}
6901 \DeclareOption{blue}{}
6902 \newif\if@colourorange\@colourorangefalse
6903 \DeclareOption{orange}{\@colourorange>true}
6904 \newif\if@colourgreen\@colourgreenfalse
6905 \DeclareOption{green}{\@colourgreentruer}
6906 \newif\if@colourred\@colourredfalse
6907 \DeclareOption{red}{\@colourred>true}
6908 \newif\if@colourgrey\@colourgre>false
6909 \DeclareOption{grey}{\@colourgrey>true}
6910 \DeclareOption*{
6911 \PackageWarning{cvthemebidiclassic}{Unknown option ‘\CurrentOption’}}
6912 \ExecuteOptions{colour}
6913 \ProcessOptions\relax
6914 \renewcommand*\listitemsymbol{\textbullet}
6915 \firstnamecolour{}
6916 \familynamecolour{}
6917 \titlecolour{808080}
6918 \quotecolour{696969}
6919 \addresscolour{696969}
6920 \definecolor{sectionrectanglecolour}{rgb}{0.25,0.50,0.75}
6921 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.5,0.75}
6922 \sectiontitlecolour{1E90FF}
6923 \subsectioncolour{4682B4}
6924 \if@colourorange
6925 \addresscolour{FF8C00}

```



```

6926 \definecolor{sectionrectanglecolour}{rgb}{1.00,0.65,0.20}
6927 \definecolor{sectionrectanglecolor}{rgb}{1,0.65,0.20}
6928 \sectiontitlecolour{FF8C00}
6929 \subsectioncolour{FF8C00}\fi
6930 \if@colourgreen
6931 \addresscolour{008000}
6932 \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}
6933 \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
6934 \sectiontitlecolour{008000}
6935 \subsectioncolour{008000}\fi
6936 \if@coloured
6937 \addresscolour{FF0000}
6938 \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
6939 \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
6940 \sectiontitlecolour{FF0000}
6941 \subsectioncolour{FF0000}\fi
6942 \if@colourgrey
6943 \addresscolour{808080}
6944 \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
6945 \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
6946 \sectiontitlecolour{808080}
6947 \subsectioncolour{808080}\fi
6948 \renewcommand*{\ttdefault}{pcr}
6949 \renewcommand*{\firstnamefont}{\fontsize{34}{36}\mdseries\upshape}
6950 \renewcommand*{\titlefont}{\LARGE\mdseries\slshape}
6951 \renewcommand*{\addressfont}{\normalsize\mdseries\slshape}
6952 \renewcommand*{\familynamefont}{\firstnamefont}
6953 \renewcommand*{\quotefont}{\large\slshape}
6954 \renewcommand*{\sectionfont}{\Large\mdseries\upshape}
6955 \renewcommand*{\subsectionfont}{\large\mdseries\upshape}
6956 \newlength{\maketitlenamemaxwidth}
6957 \setlength{\maketitlenamemaxwidth}{.525\textwidth}
6958 \newlength{\maketitlenamewidth}
6959 \settowidth{\maketitlenamewidth}{\firstnamesstyle{\@firstname~}\familynamesstyle{\@familyname}}
6960 \newlength{\maketitlepicturewidth}
6961 \ifnum\maketitlenamewidth<\maketitlepicturewidth\setlength{\maketitlepicturewidth}{\maketitlenamewidth}
6962 \setlength{\maketitlepicturewidth}{\@photowidth}
6963 \newlength{\maketitledetailwidth}
6964 \renewcommand*{\recomputethemelengths}{%
6965 \setlength{\maketitledetailwidth}{\textwidth}%
6966 \addtolength{\maketitledetailwidth}{-\maketitlenamewidth}%
6967 \addtolength{\maketitledetailwidth}{-\separatorcolumnwidth}%
6968 \addtolength{\maketitledetailwidth}{-\maketitlepicturewidth}}
6969 \recomputethemelengths
6970 \newif\if@firstdetailselement\@firstdetailselementtrue
6971 \newcommand*{\maketitledetailnewline}{%
6972 \if@firstdetailselement%
6973 \@firstdetailselementfalse%
6974 \else%

```



```

6976     \[.2em]\fi}
6977 \renewcommand*{\maketitle}{%
6978   % name and title
6979   \begin{minipage}[b]{\maketitlewidth}%
6980     \firstnamestyle{\@firstname~}\familynamestyle{\@familyname}%
6981     \ifthenelse{\equal{\@title}{}}{\[1.25em]\titlestyle{\@title}}%
6982   \end{minipage}%
6983   % optional data
6984   \begin{minipage}[b]{\maketitledetailswidth}%
6985     \bidi@raggedleft\addressfont\@addresscolour%
6986     \ifthenelse{\isundefined{\@address}}{\}%
6987     \maketitledetailsnewline%
6988     \addresssymbol~\@address%
6989     \ifthenelse{\isundefined{\@mobile}}{\}\maketitledetailsnewline\mobilesymbol~\@mobile}%
6990     \ifthenelse{\isundefined{\@phone}}{\}\maketitledetailsnewline\phonesymbol~\@phone}%
6991     \ifthenelse{\isundefined{\@fax}}{\}\maketitledetailsnewline\faxsymbol~\@fax}%
6992     \ifthenelse{\isundefined{\@email}}{\}\maketitledetailsnewline\emailsymbol~\emailink{\@email}%
6993     \ifthenelse{\isundefined{\@extrainfo}}{\}\maketitledetailsnewline\@extrainfo}%
6994   \end{minipage}%
6995   % optional photo
6996   \ifthenelse{\isundefined{\@photo}}{\}%
6997   {\hspace*{\separatorcolumnwidth}\color{firstnamedcolor}\framebox{\includegraphics[width=\maketitlephoto]{\@photo}}}%
6998   % optional quote
6999   \ifthenelse{\isundefined{\@quote}}{\}%
7000   {\}%
7001   {\centering\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}\[2.5em]\fi}
7002 }
7003 }

```

7.47 dblfnote-xetex-bidi.def

```

7004 \ProvidesFile{dblnote-xetex-bidi.def}[2012/12/12 v0.3 bidi adaptations for dblfnote package for xetex]
7005 \let\autofooterule\relax
7006 \let\rightfootnoterule\relax
7007 \let\leftfootnoterule\relax
7008 \let\textwidthfootnoterule\relax
7009 \let\LRfootnoterule\relax
7010 \def\footnoterule{\kern-3\p@
7011   \hrule \@width \DFNcolumnwidth \kern 2.6\p@}%
7012 \AtBeginDocument{\let\dfn@latex@footnotetext\@footnotetext}
7013 \let\@footnotetext\dfn@footnotetext
7014 \long\def\dfn@LTRfootnotetext#1{\setbox\dfn@boxa\vbox{
7015   \let\insert\dfn@gobble
7016   \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
7017   \def\@makefnmark{\smash{\dfn@makefnmark}}
7018   \dfn@latex@LTRfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
7019   \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
7020   \ifdim\dfn@dima>\z@else
7021     \dfn@dima1sp\relax
7022   \setbox\dfn@boxa\vbox{\vbox to1sp{\unvbox\dfn@boxa\vfil}}\fi}

```



```

7023 \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
7024 \ifvoid\dfn@ins\else
7025 \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
7026 \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%
7027 \setbox\dfn@boxa\copy\dfn@ins
7028 \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7029 \advance\@tempdima\@tempdimb \@tempdimb\@tempdima
7030 \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
7031 \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}%
7032 \xdef\dfn@list{\dfn@list\@elt{\number\dfn@dima}{\number\@tempdima}}}}
7033 \AtBeginDocument{\let\dfn@latex@LTRfootnotetext\@LTRfootnotetext
7034 \let\@LTRfootnotetext\dfn@LTRfootnotetext}
7035 \long\def\dfn@RTLfootnotetext#1{\setbox\dfn@boxa\vbox{
7036 \let\insert\dfn@gobble
7037 \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
7038 \def\@makefnmark{\smash{\dfn@makefnmark}}
7039 \dfn@latex@RTLfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
7040 \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
7041 \ifdim\dfn@dima>z@\else
7042 \dfn@dima\sp\relax
7043 \setbox\dfn@boxa\vbox{\vbox to1sp{\unvbox\dfn@boxa\vfil}}\fi
7044 \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
7045 \ifvoid\dfn@ins\else
7046 \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
7047 \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%
7048 \setbox\dfn@boxa\copy\dfn@ins
7049 \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7050 \advance\@tempdima\@tempdimb \@tempdimb\@tempdima
7051 \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
7052 \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}%
7053 \xdef\dfn@list{\dfn@list\@elt{\number\dfn@dima}{\number\@tempdima}}}}
7054 \AtBeginDocument{\let\dfn@latex@RTLfootnotetext\@RTLfootnotetext
7055 \let\@RTLfootnotetext\dfn@RTLfootnotetext}
7056 \def\dfn@RTLmakecol{\ifvoid\footins\else
7057 \dfn@dima\ht\footins
7058 \@tempcnta\z@ \dfn@countins
7059 \@tempdima\z@ \let\@elt\dfn@elt@getht
7060 \dfn@list\@nil
7061 \ifdim\@tempdima=\z@\else
7062 \dfn@split\@tempdima\dfn@ins\dfn@boxa\z@\z@
7063 \global\setbox\dfn@ins\box\dfn@ins
7064 \@tempwattrue
7065 \ifdfn@trysingle
7066 \setbox\dfn@boxb\vbox{\unvcopy\@cclv}\@tempdima\@colroom
7067 \advance\@tempdima-\ht\dfn@boxb \advance\@tempdima-\dp\dfn@boxb
7068 \advance\@tempdima-\skip\footins
7069 \advance\@tempdima-\ht\dfn@boxa
7070 \ifdim\@tempdima<z@\else \@tempwafalse
7071 \global\setbox\footins\vbox{\boxmaxdepth\dfn@fnmaxdp
7072 \footnoterule \unvbox\dfn@boxa}\fi\fi

```



```

7073 \if@tempswa
7074 \dfn@split{\dfn@dima}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7075 \global\setbox\footins\vbox{\hbox{%
7076 \hskip \DFNcolumnwidth
7077 \hskip\DFNcolumnsep
7078 \hbox to\DFNcolumnwidth{\vbox to\@tempdima{\footnoterule
7079 \unvbox\dfn@boxb\vss}\hss}
7080 \hskip -\textwidth
7081 \hbox to\DFNcolumnwidth{\ifvoid\dfn@boxa\else
7082 \vbox to\@tempdima{
7083 \setbox\@tempboxa\vbox{\footnoterule}
7084 \ifdfn@ruleboth \unvbox\@tempboxa
7085 \else \@tempdima\ht\@tempboxa
7086 \advance\@tempdima\dp\@tempboxa
7087 \vskip\@tempdima
7088 \prevdepth\dp\@tempboxa \fi
7089 \unvbox\dfn@boxa\vss}\fi\hss}
7090 \hskip \DFNcolumnsep
7091 \hskip \DFNcolumnwidth}}\fi\fi
7092 \global\dfn@fnht\z@
7093 \ifx\dfn@list\@empty\else
7094 \let\@elt\dfn@elt@adjust \dfn@dima\z@ \dfn@dimb\z@
7095 \dfn@list \global\advance\dfn@fnht\dfn@dimb
7096 \let\@elt\relax
7097 \ifdim\dfn@dimb>\z@
7098 \xdef\dfn@list{\@elt{0}{\number\dfn@dimb}\dfn@list}%
7099 \insert\footins{\floatingpenalty\@MM
7100 \vbox to\dfn@dimb{}}\fi
7101 \ifdim\dfn@fnht>\@tempdima
7102 \@tempdimb\@tempdima \advance\@tempdimb-\dfn@fnht
7103 \global\dfn@fnht\@tempdima
7104 \xdef\dfn@list{\dfn@list\@elt{0}{\number\@tempdimb}}%
7105 \xdef\dfn@afteroutput{\insert\footins{
7106 \floatingpenalty\@MM
7107 \vbox to\number\@tempdimb sp{}}}%
7108 \global\let\noexpand\dfn@afteroutput\relax}%
7109 \fi\fi
7110 \fi}%
7111 \let\footnoterule\relax \dfn@latex@makecol
7112 \let\footnoterule\dfn@footnoterule}
7113 \def\dfn@LTRmakecol{\ifvoid\footins\else
7114 \dfn@dima\ht\footins
7115 \@tempcnta\z@ \dfn@countins
7116 \@tempdima\z@ \let\@elt\dfn@elt@getht
7117 \dfn@list\@nil
7118 \ifdim\@tempdima=\z@\else
7119 \dfn@split\@tempdima\dfn@ins\dfn@boxa\z@\z@
7120 \global\setbox\dfn@ins\box\dfn@ins
7121 \@tempwattrue
7122 \ifdfn@trysingle

```



```

7123         \setbox\dfn@boxb\vbox{\unvcopy\@cclv}\@tempdima\@colroom
7124         \advance\@tempdima-\ht\dfn@boxb \advance\@tempdima-\dp\dfn@boxb
7125         \advance\@tempdima-\skip\footins
7126         \advance\@tempdima-\ht\dfn@boxa
7127         \ifdim\@tempdima<z@\else \@tempswafalse
7128             \global\setbox\footins\vbox{\boxmaxdepth\dfn@fnmaxdp
7129                 \footnoterule \unvbox\dfn@boxa}\fi\fi
7130     \if@tempswa
7131     \dfn@split{\dfn@dima}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7132     \global\setbox\footins\vbox{\hbox{%
7133         \hbox to\DFNcolumnwidth{\vbox to\@tempdima{\footnoterule
7134             \unvbox\dfn@boxb\vss}\hss}\hskip\DFNcolumnsep
7135         \hbox to\DFNcolumnwidth{\ifvoid\dfn@boxa\else
7136             \vbox to\@tempdima{
7137                 \setbox\@tempboxa\vbox{\footnoterule}
7138                 \ifdfn@ruleboth \unvbox\@tempboxa
7139                 \else \@tempdima\ht\@tempboxa
7140                     \advance\@tempdima\dp\@tempboxa
7141                     \vskip\@tempdima
7142                     \prevdepth\dp\@tempboxa \fi
7143                 \unvbox\dfn@boxa\vss}\fi\hss}}}\fi\fi
7144     \global\dfn@fnht\z@
7145     \ifx\dfn@list\@empty\else
7146         \let\@elt\dfn@elt@adjust \dfn@dima\z@ \dfn@dimb\z@
7147         \dfn@list \global\advance\dfn@fnht\dfn@dimb
7148         \let\@elt\relax
7149         \ifdim\dfn@dimb>\z@
7150             \xdef\dfn@list{\@elt{0}{\number\dfn@dimb}\dfn@list}%
7151             \insert\footins{\floatingpenalty\@MM
7152                 \vbox to\dfn@dimb{}}\fi
7153         \ifdim\dfn@fnht>\@tempdima
7154             \@tempdimb\@tempdima \advance\@tempdimb-\dfn@fnht
7155             \global\dfn@fnht\@tempdima
7156             \xdef\dfn@list{\dfn@list\@elt{0}{\number\@tempdimb}}%
7157             \xdef\dfn@afteroutput{\insert\footins{
7158                 \floatingpenalty\@MM
7159                 \vbox to\number\@tempdimb sp{}}}%
7160             \global\let\noexpand\dfn@afteroutput\relax}%
7161         \fi\fi
7162     \fi}%
7163     \let\footnoterule\relax \dfn@latex@makecol
7164     \let\footnoterule\dfn@footnoterule}
7165 \renewcommand{\dfn@makecol}{\if@RTLmain\dfn@RTLmakecol\else\dfn@LTRmakecol\fi}
7166 \newcommand{\RTLdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@RTLmakecol}}
7167 \newcommand{\LTRdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@LTRmakecol}}
7168 \DFNalwaysdouble

```

7.48 draftwatermark-xetex-bidi.def

7169 \ProvidesFile{draftwatermark-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for draftwatermar



```

7170 \renewcommand\SetWatermarkText[1]{%
7171   \def\sc@wm@text{\if@RTLmain\beginR\fi#1\if@RTLmain\endR\fi}}

```

7.49 eso-pic-xetex-bidi.def

```

7172 \ProvidesFile{eso-pic-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for eso-pic package for XeT
7173 \renewcommand\AtPageLowerLeft[1]{\AtPageUpperLeft{%
7174   \put(\LenToUnit{\if@RTLmain\paperwidth\else0pt\fi},\LenToUnit{-\paperheight}){#1}}
7175
7176 \ESO@isMEMOIR{%
7177   \renewcommand\AtTextUpperLeft[1]{%
7178     \begingroup
7179     \ifodd\c@page
7180       \@tempdima=\spinemargin
7181     \else
7182       \@tempdima=\paperwidth
7183       \advance\@tempdima-\textwidth
7184       \advance\@tempdima-\spinemargin
7185     \fi
7186     \@tempdimb=-\uppermargin
7187     \AtPageUpperLeft{%
7188       \put(\LenToUnit{\if@RTLmain-\fi\@tempdima},\LenToUnit{\@tempdimb}){#1}%
7189     }%
7190   \endgroup
7191 }
7192 }{%
7193   \renewcommand\AtTextUpperLeft[1]{%
7194     \begingroup
7195     \@tempdima=1in\relax
7196     \ifodd\c@page
7197       \advance\@tempdima\oddsidemargin
7198     \else
7199       \advance\@tempdima\evensidemargin
7200     \fi
7201     \@tempdimb=-1in\relax
7202     \advance\@tempdimb-\topmargin
7203     \advance\@tempdimb-\headheight
7204     \advance\@tempdimb-\headsep
7205     \AtPageUpperLeft{%
7206       \put(\LenToUnit{\if@RTLmain-\fi\@tempdima},\LenToUnit{\@tempdimb}){#1}%
7207     }%
7208   \endgroup
7209 }
7210 }

```

7.50 empheq-xetex-bidi.def

```

7211 \ProvidesFile{empheq-xetex-bidi.def}[2011/09/07 v0.1 bidi adaptations for empheq package for XeT
7212 \MHInternalSyntaxOn
7213 \def\EQ_tag_plus_endmark:{%
7214   \iftagsleft@

```



```

7215 \gdef\maketag@@@##1{%
7216 \hfuzz\displaywidth
7217 \if@RTL\makebox[\widthof{##1}][r]{%
7218 \hbox to \displaywidth{\m@th\normalfont##1\hss
7219 \raisebox{-\dp\EQ_mathdisplay_box
7220 -\depthof{\EQ_outerbox:}}{
7221 {\PotEndMark{\hss}}}}
7222 \else\makebox[\widthof{##1}][l]{%
7223 \hbox to \displaywidth{\m@th\normalfont##1\hss
7224 \raisebox{-\dp\EQ_mathdisplay_box
7225 -\depthof{\EQ_outerbox:}}{
7226 {\PotEndMark{\hss}}}}\fi}%
7227 \else:
7228 \gdef\maketag@@@##1{%
7229 \hbox{\m@th\normalfont##1\llap{\hss\PotEndMark{%
7230 \settoheight{\@tempdima}{\@nameuse{\InTheoType Symbol}}%
7231 \MH_addtolength:dn \@tempdima
7232 {\g_EQ_bottomtag_depth_dim+\mintagvsep}
7233 \setlength{\@tempdimb}
7234 {\g_EQ_bottomrow_depth_dim+\depthof{\EQ_outerbox:}}
7235 +\depthof{\EQ_innerbox:}}}%
7236 \if_dim:w \@tempdima>\@tempdimb
7237 \MH_setlength:dn \@tempdima{-\dp\EQ_mathdisplay_box
7238 -\@tempdima+\g_EQ_bottomrow_depth_dim}
7239 \addtolength{\@tempdima}{\depthof{\EQ_innerbox:}}}%
7240 \def\EQ_next:{\raisebox{\@tempdima}}%
7241 \else:
7242 \def\EQ_next:{
7243 \raisebox{-\dp\EQ_mathdisplay_box
7244 -\depthof{\EQ_outerbox:}}}%
7245 \fi:\EQ_next:}}}%
7246 \fi:}
7247 \def\EQ_post_process:{%
7248 \EQ_initialize:
7249 \EQ_begin_equation:
7250 \MH_if_boolean:nT {outer_mult}{
7251 \setkeys{\MT_options_name:}{
7252 firstline-afterskip=0pt,
7253 lastline-preskip=0pt,
7254 multlined-width=0pt,
7255 }
7256 \ifodd \l_EQ_alignmentmode_int
7257 \setkeys{\MT_options_name:}{multlined-pos=b}
7258 \else:
7259 \setkeys{\MT_options_name:}{multlined-pos=t}
7260 \fi:
7261 \g@addto@macro\EQ_complete_mathdisplay:{
7262 \begin{MTmultlined}\relax}
7263 }
7264 \g@addto@macro\EQ_complete_mathdisplay:\EQ_mathbody:

```




```

7265 \MH_if_boolean:nT {outer_mult}{
7266   \g@addto@macro\EQ_complete_mathdisplay:{\end{MTmultlined}}
7267 }
7268 \EQ_end_equation:
7269 \edef\EQ_hyperref_link_fint{\number\Hy@linkcounter}
7270 \savecounters@
7271 \EQ_typeset_tags:
7272 \edef\l_EQ_equation_fint{\number\c@equation}
7273 \restorecounters@
7274 \Hy@linkcounter=\EQ_hyperref_link_fint
7275 \settowidth\l_EQ_totalwidth_dim{%
7276   $\EQ_left_side:\EQ_innerbox:{}\EQ_right_side:$}%
7277 \MH_if_boolean:nTF {outer_mult}
7278   { \def\EQ_next:{_mult} }
7279   { \def\EQ_next:{} }
7280 \@nameuse{EQ_modify_linewidth_
7281   \romannumeral\l_EQ_equationtype_int\EQ_next: :}%
7282 \EQ_typeset_display:
7283 \@nameuse{find_displaywidth_
7284   \romannumeral\l_EQ_equationtype_int\EQ_next: :}%
7285 \MH_addtolength:dn
7286   \l_EQ_totalwidth_dim{\l_EQ_displaywidth_dim}
7287 \savebox\EQ_mathdisplay_box[\l_EQ_totalwidth_dim][c]{%
7288   $\EQ_left_side:
7289   \EQ_innerbox:%
7290     \if_case:w \l_EQ_alignmentmode_int\or:
7291       \makebox[\l_EQ_displaywidth_dim][c]
7292       {\usebox{\EQ_mathdisplay_box}}%
7293     \or:
7294       \makebox[\l_EQ_displaywidth_dim][c]
7295       {\usebox{\EQ_mathdisplay_box}}%
7296     \or:
7297       \if@RTL\makebox[\l_EQ_displaywidth_dim][r]{%
7298         \if_num:w \l_EQ_equationtype_int=5 \else:
7299           \if_num:w \l_EQ_equationtype_int=6 \else:
7300             \kern-\@mathmargin
7301             \fi:
7302             \fi:
7303             \usebox{\EQ_mathdisplay_box}}%
7304         \else\makebox[\l_EQ_displaywidth_dim][l]{%
7305           \if_num:w \l_EQ_equationtype_int=5 \else:
7306             \if_num:w \l_EQ_equationtype_int=6 \else:
7307               \kern-\@mathmargin
7308               \fi:
7309               \fi:
7310               \usebox{\EQ_mathdisplay_box}}\fi%
7311         \or:
7312           \if@RTL\makebox[\l_EQ_displaywidth_dim][r]{%
7313             \if_num:w \l_EQ_equationtype_int=5 \else:
7314               \if_num:w \l_EQ_equationtype_int=6 \else:

```



```

7315         \kern-\@mathmargin
7316         \fi:
7317         \fi:
7318         \usebox{\EQ_mathdisplay_box}}
7319         \else\makebox[\l_EQ_displaywidth_dim][l]{%
7320         \if_num:w \l_EQ_equationtype_int=5 \else:
7321         \if_num:w \l_EQ_equationtype_int=6 \else:
7322         \kern-\@mathmargin
7323         \fi:
7324         \fi:
7325         \usebox{\EQ_mathdisplay_box}}\fi%
7326     \fi:}%
7327     \EQ_right_side:$}%
7328     \begin{AmSequation*}
7329     \@nameuse{EQ_place_display_
7330         \romannumeral\l_EQ_equationtype_int\EQ_next: :}
7331     \if_dim:w \g_EQ_widesttag_dim>\z@
7332     \MH_set_boolean_T:n {show_manual_tags}
7333     \if_case:w \l_EQ_alignmentmode_int
7334     \or: \if@RTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi %#1
7335     \or: \if@RTL\EQ_place_tag:N r\else\EQ_place_tag:N l\fi %#2
7336     \or: \if@RTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi %#3
7337     \or: \if@RTL\EQ_place_tag:N r\else\EQ_place_tag:N l\fi %#4
7338     \fi:
7339     \fi:
7340     \end{AmSequation*}
7341     \global\c@equation=\l_EQ_equation_fint\relax
7342 }
7343 \AtBeginDocument{%
7344     \ifpackageloaded{fancybox}{%
7345         \@ifpackageloaded{color}{\definecolor{shadowcolor}{rgb}{0,0,0}}%
7346         {\renewcommand*{\textcolor[2]{\normalcolor{#2}}}%
7347         \renewcommand*{\shadowbox{%
7348             \@ifstar{\MH_set_boolean_T:n {shadowbox_star}
7349             \VerbBox\EQ_shadowbox:n}
7350             {\MH_set_boolean_F:n {shadowbox_star}
7351             \VerbBox\EQ_shadowbox:n}}}
7352         \def\EQ_shadowbox:n #1{%
7353             \sbox{\z@}{\fbox{#1}}%
7354             \MH_if_boolean:nTF {shadowbox_star}{
7355                 \MH_setlength:dn \@tempdima{\z@}%
7356             }{
7357                 \MH_setlength:dn \@tempdima{\dp\z@+\shadowsize}%
7358             }
7359             \raisebox{\@tempdima}{%
7360                 \if@RTL\makebox[\z@][r]{%
7361                     \kern\shadowsize \textcolor{shadowcolor}{%
7362                     \rule[-\dp\z@-\shadowsize]{\wd\z@}{\shadowsize}}%
7363                 }%
7364             \else\makebox[\z@][l]{%

```



```

7365         \kern\shadowsize \textcolor{shadowcolor}{%
7366         \rule[-\dp\z@-\shadowsize]{\wd\z@}{\shadowsize}}%
7367     }\fi%
7368     \usebox\z@\textcolor{shadowcolor}{%
7369     \rule[-\dp\z@-\shadowsize]{\shadowsize}{\ht\z@+\dp\z@}}}%
7370 }{}%
7371 }
7372 \MHInternalSyntaxOff

```

7.51 extarticle-xetex-bidi.def

```

7373 \ProvidesFile{extarticle-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for extarticle class]
7374 \renewcommand*\l@section[2]{%
7375   \ifnum \c@tocdepth >\z@
7376     \addpenalty\@secpenalty
7377     \addvspace{1.0em \@plus\p@}%
7378     \setlength\@tempdima{1.5em}%
7379     \begingroup
7380       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
7381       \parfillskip -\@pnumwidth
7382       \leavevmode \bfseries
7383       \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
7384       \hskip -\if@RTL\rightskip\else\leftskip\fi
7385       #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
7386     \endgroup
7387   \fi}
7388 \renewcommand*\l@part[2]{%
7389   \ifnum \c@tocdepth >-2\relax
7390     \addpenalty\@secpenalty
7391     \addvspace{2.25em \@plus\p@}%
7392     \begingroup
7393       \setlength\@tempdima{3em}%
7394       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
7395       \parfillskip -\@pnumwidth
7396       {\leavevmode
7397         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
7398       \nobreak
7399     \endgroup
7400   \fi}
7401 \def\@part[#1]#2{%
7402   \ifnum \c@secnumdepth >\m@ne
7403     \refstepcounter{part}%
7404     \addcontentsline{toc}{part}{\thepart\hspace{1em}#1}%
7405   \else
7406     \addcontentsline{toc}{part}{#1}%
7407   \fi
7408   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
7409     \interlinepenalty \@M
7410     \normalfont
7411     \ifnum \c@secnumdepth >\m@ne

```



```

7412     \Large\bfseries \partname~\thepart
7413     \par\nobreak
7414     \fi
7415     \huge \bfseries #2%
7416     \markboth{}{}\par}%
7417     \nobreak
7418     \vskip 3ex
7419     \@afterheading}
7420 \def\@spart#1{%
7421     {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
7422     \interlinepenalty \@M
7423     \normalfont
7424     \huge \bfseries #1\par}%
7425     \nobreak
7426     \vskip 3ex
7427     \@afterheading}
7428 \renewenvironment{thebibliography}[1]
7429     {\section*{\refname
7430     \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}}%
7431     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
7432     \list{\@biblabel{\@arabic{c@enumiv}}}%
7433     {\settowidth\labelwidth{\@biblabel{#1}}%
7434     \leftmargin\labelwidth
7435     \advance\leftmargin\labelsep
7436     \@openbib@code
7437     \usecounter{enumiv}%
7438     \let\p@enumiv\@empty
7439     \renewcommand\theenumiv{\@arabic{c@enumiv}}}%
7440     \sloppy\clubpenalty4000\widowpenalty4000%
7441     \sfcode`.\@m}
7442     {\def\@noitemerr
7443     {\@latex@warning{Empty `thebibliography' environment}}}%
7444     \endlist}
7445 \renewcommand\left@footnoterule{%
7446     \kern-3\p@
7447     \hrule\@width.4\columnwidth
7448     \kern2.6\p@}
7449 \renewcommand\right@footnoterule{%
7450     \kern-3\p@
7451     \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
7452     \kern2.6\p@}
7453     \if@titlepage
7454     \renewcommand\maketitle{\begin{titlepage}%
7455     \let\footnotesize\small
7456     \let\right@footnoterule\relax
7457     \let\left@footnoterule\relax
7458     \let\textwidth\footnoterule\relax
7459     \let \footnote \thanks
7460     \null\vfil
7461     \vskip 60\p@

```



```

7462 \begin{center}%
7463   {\LARGE \@title \par}%
7464   \vskip 3em%
7465   {\large
7466     \lineskip .75em%
7467     \begin{tabular}[t]{c}%
7468       \@author
7469     \end{tabular}\par}%
7470   \vskip 1.5em%
7471   {\large \@date \par}%           % Set date in \large size.
7472 \end{center}\par
7473 \@thanks
7474 \vfil\null
7475 \end{titlepage}%
7476 \setcounter{footnote}{0}%
7477 \global\let\thanks\relax
7478 \global\let\maketitle\relax
7479 \global\let\@thanks\@empty
7480 \global\let\@author\@empty
7481 \global\let\@date\@empty
7482 \global\let\@title\@empty
7483 \global\let\title\relax
7484 \global\let\author\relax
7485 \global\let\date\relax
7486 \global\let\and\relax
7487 }
7488 \else
7489 \renewcommand\maketitle{\par
7490 \begingroup
7491   \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
7492   \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
7493   \long\def\@makefntext##1{\parindent 1em\noindent
7494     \hb@xt@1.8em{%
7495       \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
7496   \if@twocolumn
7497     \ifnum \col@number=\@ne
7498       \@maketitle
7499     \else
7500       \twocolumn[\@maketitle]%
7501     \fi
7502   \else
7503     \newpage
7504     \global\@topnum\z@   % Prevents figures from going at top of page.
7505     \@maketitle
7506   \fi
7507   \thispagestyle{plain}\@thanks
7508 \endgroup
7509 \setcounter{footnote}{0}%
7510 \global\let\thanks\relax
7511 \global\let\maketitle\relax

```



```

7512 \global\let\@maketitle\relax
7513 \global\let\@thanks\@empty
7514 \global\let\@author\@empty
7515 \global\let\@date\@empty
7516 \global\let\@title\@empty
7517 \global\let\title\relax
7518 \global\let\author\relax
7519 \global\let\date\relax
7520 \global\let\and\relax
7521 }
7522 \def\@maketitle{%
7523 \newpage
7524 \null
7525 \vskip 2em%
7526 \begin{center}%
7527 \let \footnote \thanks
7528 {\LARGE \@title \par}%
7529 \vskip 1.5em%
7530 {\large
7531 \lineskip .5em%
7532 \begin{tabular}[t]{c}%
7533 \@author
7534 \end{tabular}\par}%
7535 \vskip 1em%
7536 {\large \@date}%
7537 \end{center}%
7538 \par
7539 \vskip 1.5em}
7540 \fi
7541 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
7542 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
7543 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
7544 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}%%

```

7.52 extbook-xetex-bidi.def

```

7545 \ProvidesFile{extbook-xetex-bidi.def}[2010/07/25 v0.3 bidi adaptations for extbook class for XeT
7546 \if@titlepage
7547 \renewcommand\maketitle{\begin{titlepage}%
7548 \let\footnotesize\small
7549 \let\right@footnoterule\relax
7550 \let\left@footnoterule\relax
7551 \let\textwidth@footnoterule\relax
7552 \let \footnote \thanks
7553 \let \LTRfootnote \LTRthanks
7554 \let \RTLfootnote \RTLthanks
7555 \null\vfil
7556 \vskip 60\p@
7557 \begin{center}%
7558 {\LARGE \@title \par}%

```



```

7559 \vskip 3em%
7560 {\large
7561 \lineskip .75em%
7562 \begin{tabular}[t]{c}%
7563 \@author
7564 \end{tabular}\par}%
7565 \vskip 1.5em%
7566 {\large \@date \par}% % Set date in \large size.
7567 \end{center}\par
7568 \@thanks
7569 \vfil\null
7570 \end{titlepage}%
7571 \setcounter{footnote}{0}%
7572 \global\let\thanks\relax
7573 \global\let\LTRthanks\relax
7574 \global\let\RTLthanks\relax
7575 \global\let\maketitle\relax
7576 \global\let\@thanks\@empty
7577 \global\let\@author\@empty
7578 \global\let\@date\@empty
7579 \global\let\@title\@empty
7580 \global\let\title\relax
7581 \global\let\author\relax
7582 \global\let\date\relax
7583 \global\let\and\relax
7584 }
7585 \else
7586 \renewcommand\maketitle{\par
7587 \begingroup
7588 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
7589 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
7590 \long\def\@makefntext##1{\parindent 1em\noindent
7591 \hb@xt@1.8em{%
7592 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
7593 \if@twocolumn
7594 \ifnum \col@number=\@ne
7595 \@maketitle
7596 \else
7597 \twocolumn[\@maketitle]%
7598 \fi
7599 \else
7600 \newpage
7601 \global\@topnum\z@ % Prevents figures from going at top of page.
7602 \@maketitle
7603 \fi
7604 \thispagestyle{plain}\@thanks
7605 \endgroup
7606 \setcounter{footnote}{0}%
7607 \global\let\thanks\relax
7608 \global\let\LTRthanks\relax

```



```

7609 \global\let\RTLthanks\relax
7610 \global\let\maketitle\relax
7611 \global\let\@maketitle\relax
7612 \global\let\@thanks\@empty
7613 \global\let\@author\@empty
7614 \global\let\@date\@empty
7615 \global\let\@title\@empty
7616 \global\let\title\relax
7617 \global\let\author\relax
7618 \global\let\date\relax
7619 \global\let\and\relax
7620 }
7621 \def\@maketitle{%
7622   \newpage
7623   \null
7624   \vskip 2em%
7625   \begin{center}%
7626     \let \footnote \thanks
7627     \let \LTRfootnote \LTRthanks
7628     \let \RTLfootnote \RTLthanks
7629     {\LARGE \@title \par}%
7630     \vskip 1.5em%
7631     {\large
7632       \lineskip .5em%
7633       \begin{tabular}[t]{c}%
7634         \@author
7635       \end{tabular}\par}%
7636     \vskip 1em%
7637     {\large \@date}%
7638   \end{center}%
7639   \par
7640   \vskip 1.5em}
7641 \fi
7642 \renewcommand*{\l@part[2]{%
7643   \ifnum \c@tocdepth >-2\relax
7644     \addpenalty{-\@highpenalty}%
7645     \addvspace{2.25em \@plus\p@}%
7646     \begingroup
7647       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
7648       \parfillskip -\@pnumwidth
7649       {\leavevmode
7650         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
7651       \nobreak
7652       \global\@nbreaktrue
7653       \everypar{\global\@nbreakfalse\everypar{}}%
7654     \endgroup
7655   \fi}
7656 \renewcommand\theequation
7657   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
7658 \renewcommand \thefigure

```




```

7659      {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
7660 \renewcommand \thetable
7661      {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
7662 \renewcommand \thechapter {\@arabic\c@chapter}
7663 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
7664 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
7665 \renewcommand \thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
7666 \renewcommand \theparagraph {\thesubsubsection \@SepMark\@arabic\c@paragraph}
7667 \renewcommand \thesubparagraph {\theparagraph \@SepMark\@arabic\c@subparagraph}
7668 \def\@makechapterhead#1{%
7669     \vspace*{50\p@}%
7670     {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
7671       \ifnum \c@secnumdepth >\m@ne
7672         \if@mainmatter
7673           \huge\bfseries \@chapapp\space \thechapter
7674           \par\nobreak
7675           \vskip 20\p@
7676         \fi
7677       \fi
7678       \interlinepenalty\@M
7679       \Huge \bfseries #1\par\nobreak
7680       \vskip 40\p@
7681     }}
7682
7683 \def\@makeschapterhead#1{%
7684     \vspace*{50\p@}%
7685     {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
7686       \normalfont
7687       \interlinepenalty\@M
7688       \Huge \bfseries #1\par\nobreak
7689       \vskip 40\p@
7690     }}
7691 \renewcommand\backmatter{%
7692     \if@openright
7693       \cleardoublepage
7694     \else
7695       \clearpage
7696     \fi
7697     \@mainmatterfalse}
7698 \renewenvironment{thebibliography}[1]
7699     {\chapter*{\bibname
7700       \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
7701     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
7702     \list{\@biblabel{\@arabic\c@enumiv}}%
7703         {\settowidth\labelwidth{\@biblabel{#1}}%
7704         \leftmargin\labelwidth
7705         \advance\leftmargin\labelsep
7706         \@openbib@code
7707         \usecounter{enumiv}%
7708         \let\p@enumiv\@empty

```



```

7709         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
7710         \sloppy
7711         \clubpenalty4000
7712         \@clubpenalty \clubpenalty
7713         \widowpenalty4000%
7714         \sfcode`.\@m}
7715     {\def\@noitemerr
7716      {\@latex@warning{Empty `thebibliography' environment}}}%
7717     \endlist}

```

7.53 extletter-xetex-bidi.def

```

7718 \ProvidesFile{extletter-xetex-bidi.def}[2015/11/14 v0.2 bidi adaptations for extletter class for
7719 \renewcommand*{\opening}[1]{\ifx\@empty\fromaddress
7720 \thispagestyle{firstpage}%
7721 {\if@RTL\raggedright\else\raggedleft\fi\@date\par}%
7722 \else % home address
7723 \thispagestyle{empty}%
7724 {\if@RTL\raggedright\begin{tabular}{r@{}}\else\raggedleft\begin{tabular}{l@{}}\fi\ignorespaces
7725 \fromaddress \*[2\parskip]%
7726 \@date \end{tabular}\par}%
7727 \fi
7728 \vspace{2\parskip}%
7729 {\if@RTL\raggedleft\else\raggedright\fi \toname \[ \toaddress \par}%
7730 \vspace{2\parskip}%
7731 #1\par\nobreak}
7732 \renewcommand{\closing}[1]{\par\nobreak\vspace{\parskip}%
7733 \stopbreaks
7734 \noindent
7735 \ifx\@empty\fromaddress\else
7736 \hspace*{\longindentation}\fi
7737 \parbox{\indentedwidth}{\if@RTL\raggedleft\else\raggedright\fi
7738 \ignorespaces #1\*[6\medskipamount]%
7739 \ifx\@empty\fromsig
7740 \fromname
7741 \else \fromsig \fi\strut}%
7742 \par}
7743 \renewcommand\left@footnoterule{%
7744 \kern-\p@
7745 \hrule \@width .4\columnwidth
7746 \kern .6\p@}
7747 \renewcommand\right@footnoterule{%
7748 \kern-\p@
7749 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
7750 \kern .6\p@}

```

7.54 extrafootnotefeatures-xetex-bidi.def

```

7751 \ProvidesFile{extrafootnotefeatures-xetex-bidi.def}[2015/10/15 v0.5 bidi extra footnote features
7752 \let\autofootnoterule\relax
7753 \let\rightfootnoterule\relax

```



```

7754 \let\leftfootnoterule\relax
7755 \let\textwidthfootnoterule\relax
7756 \let\LRfootnoterule\relax
7757 \def\footnoterule{\kern-3\p@
7758   \hrule \width \columnwidth \kern 2.6\p@}
7759 \bidi@ensure@newcommand{\setRTLparagraphfootnotes}{\@parafootRTLtrue}
7760 \bidi@ensure@newcommand{\setLTRparagraphfootnotes}{\@parafootRTLfalse}
7761 \renewcommand{\@footnotetext}[1]{%
7762   \insert\footins{%
7763     \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
7764     \def\baselinestretch{\m@m@footnote@spacing}%
7765     \reset@font
7766     \foottextfont
7767     \@preamfntext
7768     \hsize\columnwidth
7769     \protected@edef\@currentlabel{%
7770       \csname p@footnote\endcsname\@thefnmark}%
7771     \color@begingroup
7772     \@makefntext{%
7773       \rule\z@\footnotesep\ignorespaces{\foottextfont #1}%
7774       \@finalstrut\strutbox}%
7775     \color@endgroup}%
7776     \m@mmf@prepare}
7777 \renewcommand{\@RTLfootnotetext}[1]{%
7778   \insert\footins{%
7779     \@RTLtrue%
7780     \def\baselinestretch{\m@m@footnote@spacing}%
7781     \reset@font
7782     \RTLfoottextfont
7783     \@preamfntext
7784     \hsize\columnwidth
7785     \protected@edef\@currentlabel{%
7786       \csname p@footnote\endcsname\@thefnmark}%
7787     \color@begingroup
7788     \@makefntext{%
7789       \rule\z@\footnotesep\ignorespaces{\RTLfoottextfont #1}%
7790       \@finalstrut\strutbox}%
7791     \color@endgroup}%
7792     \m@mmf@prepare}
7793 \renewcommand{\@LTRfootnotetext}[1]{%
7794   \insert\footins{%
7795     \@RTLfalse%
7796     \def\baselinestretch{\m@m@footnote@spacing}%
7797     \reset@font
7798     \LTRfoottextfont
7799     \@preamfntext
7800     \hsize\columnwidth
7801     \protected@edef\@currentlabel{%
7802       \csname p@footnote\endcsname\@thefnmark}%
7803     \color@begingroup

```



```

7804 \makefntext{%
7805 \rule\z@\footnotesep\ignorespaces{\LTRfoottextfont #1}%
7806 \@finalstrut\strutbox}%
7807 \color@endgroup}%
7808 \m@mmf@prepare}
7809 \renewcommand{\@mpfootnotetext}[1]{%
7810 \global\setbox\@mpfootins\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
7811 \unvbox\@mpfootins
7812 \def\baselinestretch{\m@m@footnote@spacing}%
7813 \foottextfont \hsize\columnwidth \@parboxrestore
7814 \protected@edef\@currentlabel{%
7815 \csname p@mpfootnote\endcsname\@thefnmark}%
7816 \color@begingroup
7817 \reset@font%
7818 \makefntext{%
7819 \rule\z@\footnotesep\ignorespaces{\foottextfont #1}%
7820 \@finalstrut\strutbox}%
7821 \color@endgroup}}
7822 \renewcommand{\@mpLTRfootnotetext}[1]{%
7823 \global\setbox\@mpfootins\vbox{\@RTLfalse%
7824 \unvbox\@mpfootins
7825 \def\baselinestretch{\m@m@footnote@spacing}%
7826 \LTRfoottextfont \hsize\columnwidth \@parboxrestore
7827 \protected@edef\@currentlabel{%
7828 \csname p@mpfootnote\endcsname\@thefnmark}%
7829 \color@begingroup
7830 \reset@font%
7831 \makefntext{%
7832 \rule\z@\footnotesep\ignorespaces{\LTRfoottextfont #1}%
7833 \@finalstrut\strutbox}%
7834 \color@endgroup}}
7835 \renewcommand{\@mpRTLfootnotetext}[1]{%
7836 \global\setbox\@mpfootins\vbox{\@RTLtrue%
7837 \unvbox\@mpfootins
7838 \def\baselinestretch{\m@m@footnote@spacing}%
7839 \RTLfoottextfont \hsize\columnwidth \@parboxrestore
7840 \protected@edef\@currentlabel{%
7841 \csname p@mpfootnote\endcsname\@thefnmark}%
7842 \color@begingroup
7843 \reset@font%
7844 \makefntext{%
7845 \rule\z@\footnotesep\ignorespaces{\RTLfoottextfont #1}%
7846 \@finalstrut\strutbox}%
7847 \color@endgroup}}
7848 \let\m@mold@footnotetext\@footnotetext
7849 \let\m@mold@LTRfootnotetext\@LTRfootnotetext
7850 \let\m@mold@RTLfootnotetext\@RTLfootnotetext
7851 \let\m@mold@mpfootnotetext\@mpfootnotetext
7852 \let\m@mold@mpLTRfootnotetext\@mpLTRfootnotetext
7853 \let\m@mold@mpRTLfootnotetext\@mpRTLfootnotetext

```



```

7854 \bidi@ensure@newcommand{\normalfootnotes}{%
7855   \let\@footnotetext\m@mold@footnotetext
7856   \let\@LTRfootnotetext\m@mold@LTRfootnotetext
7857   \let\@RTLfootnotetext\m@mold@RTLfootnotetext
7858   \let\@mpfootnotetext\m@mold@mpfootnotetext
7859   \let\@mpLTRfootnotetext\m@mold@mpLTRfootnotetext
7860   \let\@mpRTLfootnotetext\m@mold@mpRTLfootnotetext}
7861 \ifclassloaded{memoir}{\let\plainfootnotes\normalfootnotes}{%
7862 \bidi@ensure@newcommand*{\RTLcolumnfootnotes}{\@RTLcolumnfootnotestruel}
7863 \bidi@ensure@newcommand*{\LTRcolumnfootnotes}{\@RTLcolumnfootnotestruel}
7864 \bidi@ensure@newcommand*{\setSingleSpace}[1]{%
7865   \def\m@m@singlespace{#1}%
7866   \def\m@m@footnote@spacing{#1}%
7867   \def\m@m@float@spacing{#1} %
7868 }
7869 \setSingleSpace{1}
7870 \newinsert\sideins
7871 \bidi@ensure@newcommand*{\multiplefootnotemarker}{3sp}
7872 \bidi@ensure@newcommand*{\m@m@mmf@prepare}{%
7873   \kern-\multiplefootnotemarker
7874   \kern\multiplefootnotemarker\relax}
7875 \bidi@ensure@newlength{\footmarkwidth}
7876 \bidi@ensure@newlength{\footmarksep}
7877 \bidi@ensure@newlength{\footparindent}
7878 \bidi@ensure@newcommand*{\footmarkstyle}[1]{\def\footscript##1{#1}}
7879 \bidi@ensure@newcommand*{\footfootmark}{%
7880   \ifdim\footmarkwidth < \z@
7881     \llap{\hb@xt@ -\footmarkwidth{%
7882       \hss\normalfont\footscript{\@thefnmark}}}%
7883     \hspace*{-\footmarkwidth}}%
7884   \else
7885     \ifdim\footmarkwidth = \z@
7886       {\normalfont\footscript{\@thefnmark}}%
7887     \else
7888       \hb@xt@\footmarkwidth{\hss\normalfont\footscript{\@thefnmark}}%
7889     \fi
7890   \fi}
7891 \footmarkstyle{\textsuperscript{#1}}
7892 \setlength{\footmarkwidth}{1.8em}
7893 \setlength{\footparindent}{1em}
7894 \bidi@ensure@newcommand{\m@m@doextrafeet}{\extrafeetins}
7895 \bidi@ensure@newcommand*{\extrafeetins}{%
7896   \setbox\@outputbox \vbox{%
7897     \boxmaxdepth \@maxdepth
7898     \unvbox\@outputbox
7899     \ifvoid\footinsv@r\else\@footstartv@r\@footgroupv@r\fi
7900     \extrafeetinshook}}
7901 \bidi@ensure@newcommand{\extrafeetinshook}{%
7902 \bidi@ensure@newcommand{\foottextfont}{\footnotesize}
7903 \bidi@ensure@newcommand{\LTRfoottextfont}{\footnotesize}

```



```

7904 \bidi@ensure@newcommand{\RTLfoottextfont}{\footnotesize}
7905 \bidi@ensure@newlength{\footinsdim}
7906 \setlength{\footinsdim}{8in} % standard for \dimen\footins
7907 \bidi@ensure@newcommand{\@preamfntext}{%
7908 \interlinepenalty\interfootnotelinepenalty
7909 \floatingpenalty \@MM
7910 \splittopskip=\footnotesep
7911 \splitmaxdepth=\dp\strutbox
7912 \@parboxrestore}
7913 \bidi@ensure@newcommand{\m@mdoextrafeetmini}{%
7914 \extrafeetminihook}
7915 \bidi@ensure@newcommand{\extrafeetendmini}{%
7916 \ifvoid\@mpfootinsv@r\else
7917 \vskip\skip\@mpfootins
7918 \normalcolor\footnoterule\mp@footgroupv@r
7919 \fi
7920 \extrafeetendminihook}
7921 \bidi@ensure@newcommand{\extrafeetendminihook}{}
7922 \bidi@ensure@newcommand{\m@mdoextrafeetendmini}{\extrafeetendmini}
7923 \def\endminipage{%
7924 \par
7925 \unskip
7926 \ifvoid\@mpfootins\else
7927 \vskip\skip\@mpfootins
7928 \normalcolor
7929 \footnoterule
7930 \unvbox\@mpfootins
7931 \fi
7932 \m@mdoextrafeetendmini
7933 \@minipagefalse
7934 \color@endgroup
7935 \egroup
7936 \expandafter\@iiiparbox\@mpargs{\unvbox\@tempboxa}}
7937 \bidi@ensure@newcommand{\m@make@footstart}[1]{%
7938 \@namedef{@footstart#1}{%
7939 \vskip\bigskipamount
7940 \leftskip=\z@
7941 \rightskip=\z@
7942 \footnoterule}}
7943 \newinsert\footinsv@r
7944 \skip\footinsv@r\bigskipamount
7945 \count\footinsv@r=1000 % no magnification
7946 \dimen\footinsv@r=\footinsdim
7947 \m@make@footstart{v@r}
7948 \bidi@ensure@newcommand{\@footgroupv@r}{}
7949 \newinsert\@mpfootinsv@r
7950 \bidi@ensure@newcommand{\mp@footgroupv@r}{}
7951 \newcount\m@m@k \newdimen\m@m@h
7952 \@ifpackageloaded{multicol}{%
7953 \bidi@ensure@newcommand*\{\m@mrigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3

```



```

7954 \hsize\textwidth
7955 \@@line{\if@RTLcolumnfootnotes\beginR\fi\splittopskip=\m@m@h \vbadness=\@M \hfilneg
7956 \valign{##\vfill\cr\m@mdosplits}\if@RTLcolumnfootnotes\endR\fi}}
7957 }{%
7958 \bidi@ensure@newcommand*{\m@mrigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3
7959 \@@line{\if@RTLcolumnfootnotes\beginR\fi\splittopskip=\m@m@h \vbadness=\@M \hfilneg
7960 \valign{##\vfill\cr\m@mdosplits}\if@RTLcolumnfootnotes\endR\fi}}
7961 \bidi@ensure@newcommand*{\m@mdosplits}{\ifnum\m@m@k>0 \noalign{\hfil}\m@msplitoff
7962 \global\advance\m@m@k-1\cr\m@mdosplits\fi}
7963 \bidi@ensure@newcommand*{\m@msplitoff}{\dimen0=\ht0
7964 \divide\dimen0 by\m@m@k \advance\dimen0 by\m@m@h
7965 \setbox2 \vsplit0 to \dimen0
7966 \unvbox2 }
7967 \bidi@ensure@newcommand{\twocolumnfootnotes}{%
7968 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
7969 \let\@footnotetext\@twocolfootnotetext
7970 \let\@LTRfootnotetext\@twocolLTRfootnotetext
7971 \let\@RTLfootnotetext\@twocolRTLfootnotetext
7972 \dimen\footinsv@r=2\footinsdim
7973 \count\footinsv@r=500\relax
7974 \m@make@twocol@footgroup{v@r}%
7975 \let\@footgroupv@r\@twocol@footgroupv@r
7976 \let\@mpfootnotetext\@mptwocolfootnotetext
7977 \let\@mpLTRfootnotetext\@mptwocolLTRfootnotetext
7978 \let\@mpRTLfootnotetext\@mptwocolRTLfootnotetext
7979 \m@make@mptwocol@footgroup{v@r}%
7980 \let\mp@footgroupv@r\@mptwocol@footgroupv@r}
7981 \bidi@ensure@newcommand{\@twocolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
7982 \def\baselinestretch{\m@m@footnote@spacing}%
7983 \reset@font\foottextfont
7984 \@preamfntext
7985 \protected@edef\@currentlabel{%
7986 \csname p@footnote\endcsname\@thefnmark}%
7987 \color@begingroup
7988 \@twocolfootfmt{#1}%
7989 \color@endgroup}%
7990 \m@mmf@prepare}
7991 \bidi@ensure@newcommand{\@twocolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes
7992 \def\baselinestretch{\m@m@footnote@spacing}%
7993 \reset@font\LTRfoottextfont
7994 \@preamfntext
7995 \protected@edef\@currentlabel{%
7996 \csname p@footnote\endcsname\@thefnmark}%
7997 \color@begingroup
7998 \@twocolLTRfootfmt{#1}%
7999 \color@endgroup}%
8000 \m@mmf@prepare}
8001 \bidi@ensure@newcommand{\@twocolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8002 \def\baselinestretch{\m@m@footnote@spacing}%
8003 \reset@font\RTLfoottextfont

```



```

8004 \@preamfntext
8005 \protected@edef\@currentlabel{%
8006   \csname p@footnote\endcsname\@thefnmark}%
8007 \color@begingroup
8008   \@twocolRTLfootfmt{#1}%
8009 \color@endgroup}%
8010 \m@mmf@prepare}
8011 \bidi@ensure@newcommand{\@preamtwofmt}{%
8012   \hspace{.45\hspace}
8013   \parindent=\z@
8014   \tolerance=5000\relax
8015   \leavevmode}
8016 \bidi@ensure@newcommand{\@twocolfootfmt}[1]{%
8017   \@preamtwofmt
8018   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8019 \bidi@ensure@newcommand{\@twocolLTRfootfmt}[1]{%
8020   \@preamtwofmt
8021   {\footfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8022 \bidi@ensure@newcommand{\@twocolRTLfootfmt}[1]{%
8023   \@preamtwofmt
8024   {\footfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8025 \bidi@ensure@newcommand{\@emptwocolfootnotetext}[1]{%
8026   \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8027     \unvbox\@mpfootinsv@r
8028     \def\baselinestretch{\m@mm@footnote@spacing}%
8029     \reset@font\foottextfont
8030     \hspace\columnwidth \@parboxrestore
8031     \protected@edef\@currentlabel{%
8032       \csname p@mpfootnote\endcsname\@thefnmark}%
8033     \color@begingroup
8034       \@twocolfootfmt{#1}%
8035     \color@endgroup}%
8036     \m@mmf@prepare}
8037 \bidi@ensure@newcommand{\@emptwocolLTRfootnotetext}[1]{%
8038   \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
8039     \unvbox\@mpfootinsv@r
8040     \def\baselinestretch{\m@mm@footnote@spacing}%
8041     \reset@font\LTRfoottextfont
8042     \hspace\columnwidth \@parboxrestore
8043     \if@RTLcolumnfootnotes\beginL\fi
8044     \protected@edef\@currentlabel{%
8045       \csname p@mpfootnote\endcsname\@thefnmark}%
8046     \color@begingroup
8047       \@twocolLTRfootfmt{#1}%
8048     \color@endgroup}%
8049     \m@mmf@prepare}
8050 \bidi@ensure@newcommand{\@emptwocolRTLfootnotetext}[1]{%
8051   \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
8052     \unvbox\@mpfootinsv@r
8053     \def\baselinestretch{\m@mm@footnote@spacing}%

```




```

8054 \reset@font\RTLfoottextfont
8055 \hsize\columnwidth \@parboxrestore
8056 \protected@edef\@currentlabel{%
8057 \csname p@mpfootnote\endcsname\@thefnmark}%
8058 \color@begingroup
8059 \@twocolRTLfootfmt{#1}%
8060 \color@endgroup}%
8061 \m@mmf@prepare}
8062 \bidi@ensure@newcommand{\twocolumnfootstyle}[1]{%
8063 \m@make@twocolfootnotetext{#1}%
8064 \m@make@mptwocolfootnotetext{#1}%
8065 \m@make@twocolfootfmt{#1}%
8066 \m@make@twocol@footgroup{#1}%
8067 \m@make@mptwocol@footgroup{#1}%
8068 \m@make@footstart{#1}%
8069 \bidi@namelongdef{\footnotetext#1}##1{%
8070 \@nameuse{\twocolfootnotetext#1}{##1}}%
8071 \bidi@namelongdef{\mpfootnotetext#1}##1{%
8072 \@nameuse{\mptwocolfootnotetext#1}{##1}}%
8073 \@namedef{\footgroup#1}{\@nameuse{\twocol@footgroup#1}}%
8074 \@namedef{\mp@footgroup#1}{\@nameuse{\mptwocol@footgroup#1}}%
8075 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
8076 \expandafter\count\csname footins#1\endcsname=500\relax}
8077 \bidi@ensure@newcommand{\m@make@twocolfootnotetext}[1]{%
8078 \bidi@namelongdef{\twocolfootnotetext#1}##1{%
8079 \insert\@nameuse{footins#1}{%
8080 \def\baselinestretch{\m@m@footnote@spacing}%
8081 \reset@font\@nameuse{foottextfont#1}%
8082 \@preamfntext
8083 \protected@edef\@currentlabel{%
8084 \csname p@footnote#1\endcsname \@nameuse{\thefnmark#1}}%
8085 \color@begingroup
8086 \@nameuse{\twocolfootfmt#1}{##1}%
8087 \color@endgroup}%
8088 \m@mmf@prepare}}
8089 \bidi@ensure@newcommand{\m@make@mptwocolfootnotetext}[1]{%
8090 \bidi@namelongdef{\mptwocolfootnotetext#1}##1{%
8091 \global\setbox\@nameuse{\mpfootins#1}\vbox{%
8092 \unvbox\@nameuse{\mpfootins#1}
8093 \def\baselinestretch{\m@m@footnote@spacing}%
8094 \reset@font\@nameuse{foottextfont#1}%
8095 \hsize\columnwidth \@parboxrestore
8096 \protected@edef\@currentlabel{%
8097 \csname p@mpfootnote#1\endcsname\@nameuse{\thefnmark#1}}%
8098 \color@begingroup
8099 \@nameuse{\twocolfootfmt#1}{##1}%
8100 \color@endgroup}\m@mmf@prepare}}
8101 \bidi@ensure@newcommand{\m@make@twocolfootfmt}[1]{%
8102 \@namedef{\twocolfootfmt#1}##1{%
8103 \@preamtwofmt

```



```

8104     {\@nameuse{footfootmark#1}\strut
8105      {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
8106 \bidi@ensure@newcommand{\m@make@twocol@footgroup}[1]{%
8107   \@namedef{@twocol@footgroup#1}{\%
8108     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8109     \m@r rigidbalance{\@nameuse{footins#1}}{\tw@}{\splittopskip}}}}
8110 \bidi@ensure@newcommand{\m@make@mptwocol@footgroup}[1]{%
8111   \@namedef{@mptwocol@footgroup#1}{\%
8112     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8113     \m@r rigidbalance{\@nameuse{mpfootins#1}}{\tw@}{\splittopskip}}}}
8114 \bidi@ensure@newcommand{\threecolumnfootnotes}{%
8115   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
8116   \let\@footnotetext\@threecolfootnotetext
8117   \let\@LTRfootnotetext\@threecolLTRfootnotetext
8118   \let\@RTLfootnotetext\@threecolRTLfootnotetext
8119   \dimen\footinsv@r=3\footinsdim
8120   \count\footinsv@r=333\relax
8121   \m@make@threecol@footgroup{v@r}%
8122   \let\@footgroupv@r\@threecol@footgroupv@r
8123   \let\@mpfootnotetext\@mpthreecolfootnotetext
8124   \let\@mpLTRfootnotetext\@mpthreecolLTRfootnotetext
8125   \let\@mpRTLfootnotetext\@mpthreecolRTLfootnotetext
8126   \m@make@mpthreecol@footgroup{v@r}%
8127   \let\mp@footgroupv@r\@mpthreecol@footgroupv@r}
8128 \bidi@ensure@newcommand{\@threecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtr
8129   \def\baselinestretch{\m@m@footnote@spacing}%
8130   \reset@font\foottextfont
8131   \@preamfntext
8132   \protected@edef\@currentlabel{%
8133     \csname p@footnote\endcsname\@thefnmark}%
8134   \color@begingroup
8135     \@threecolfootfmt{#1}%
8136   \color@endgroup}\m@m@prepare}
8137 \bidi@ensure@newcommand{\@threecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnot
8138   \def\baselinestretch{\m@m@footnote@spacing}%
8139   \reset@font\LTRfoottextfont
8140   \@preamfntext
8141   \protected@edef\@currentlabel{%
8142     \csname p@footnote\endcsname\@thefnmark}%
8143   \color@begingroup
8144     \@threecolLTRfootfmt{#1}%
8145   \color@endgroup}\m@m@prepare}
8146 \bidi@ensure@newcommand{\@threecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8147   \def\baselinestretch{\m@m@footnote@spacing}%
8148   \reset@font\RTLfoottextfont
8149   \@preamfntext
8150   \protected@edef\@currentlabel{%
8151     \csname p@footnote\endcsname\@thefnmark}%
8152   \color@begingroup
8153     \@threecolRTLfootfmt{#1}%

```



```

8154 \color@endgroup}\m@mmf@prepare}
8155 \bidi@ensure@newcommand{\@preamthreefmt}{%
8156 \hspace .3\hspace
8157 \parindent=\z@
8158 \tolerance=5000\relax
8159 \leavevmode}
8160 \bidi@ensure@newcommand{\@threecolfootfmt}[1]{%
8161 \@preamthreefmt
8162 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8163 \bidi@ensure@newcommand{\@threecolLTRfootfmt}[1]{%
8164 \@preamthreefmt
8165 {\footfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8166 \bidi@ensure@newcommand{\@threecolRTLfootfmt}[1]{%
8167 \@preamthreefmt
8168 {\footfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8169 \bidi@ensure@newcommand{\@mpthreecolfootnotetext}[1]{%
8170 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8171 \unvbox\@mpfootinsv@r
8172 \def\baselinestretch{\m@m@footnote@spacing}%
8173 \reset@font\foottextfont
8174 \hspace\columnwidth \@parboxrestore
8175 \protected@edef\@currentlabel{%
8176 \csname p@mpfootnote\endcsname\@thefnmark}%
8177 \color@begingroup
8178 \@threecolfootfmt{#1}%
8179 \color@endgroup}\m@mmf@prepare}
8180 \bidi@ensure@newcommand{\@mpthreecolLTRfootnotetext}[1]{%
8181 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
8182 \unvbox\@mpfootinsv@r
8183 \def\baselinestretch{\m@m@footnote@spacing}%
8184 \reset@font\LTRfoottextfont
8185 \hspace\columnwidth \@parboxrestore
8186 \if@RTLcolumnfootnotes\beginL\fi
8187 \protected@edef\@currentlabel{%
8188 \csname p@mpfootnote\endcsname\@thefnmark}%
8189 \color@begingroup
8190 \@threecolLTRfootfmt{#1}%
8191 \color@endgroup}\m@mmf@prepare}
8192 \bidi@ensure@newcommand{\@mpthreecolRTLfootnotetext}[1]{%
8193 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
8194 \unvbox\@mpfootinsv@r
8195 \def\baselinestretch{\m@m@footnote@spacing}%
8196 \reset@font\RTLfoottextfont
8197 \hspace\columnwidth \@parboxrestore
8198 \protected@edef\@currentlabel{%
8199 \csname p@mpfootnote\endcsname\@thefnmark}%
8200 \color@begingroup
8201 \@threecolRTLfootfmt{#1}%
8202 \color@endgroup}\m@mmf@prepare}
8203 \bidi@ensure@newcommand{\threecolumnfootstyle}[1]{%

```



```

8204 \m@make@threecolfootnotetext{#1}%
8205 \m@make@mpthreecolfootnotetext{#1}%
8206 \m@make@threecolfootfmt{#1}%
8207 \m@make@threecol@footgroup{#1}%
8208 \m@make@mpthreecol@footgroup{#1}%
8209 \m@make@footstart{#1}%
8210 \bidi@namelongdef{@footnotetext#1}##1{%
8211   \@nameuse{@threecolfootnotetext#1}{##1}}%
8212 \bidi@namelongdef{@mpfootnotetext#1}##1{%
8213   \@nameuse{@mpthreecolfootnotetext#1}{##1}}%
8214 \@namedef{@footgroup#1}{\@nameuse{@threecol@footgroup#1}}%
8215 \@namedef{@mp@footgroup#1}{\@nameuse{@mpthreecol@footgroup#1}}%
8216 \expandafter\dimen\csname footins#1\endcsname=3\footinsdim
8217 \expandafter\count\csname footins#1\endcsname=333\relax}
8218 \bidi@ensure@newcommand{\m@make@threecolfootnotetext}[1]{%
8219 \bidi@namelongdef{@threecolfootnotetext#1}##1{%
8220   \insert\@nameuse{footins#1}{%
8221     \def\baselinestretch{\m@m@footnote@spacing}%
8222     \reset@font\@nameuse{foottextfont#1}%
8223     \@preamfntext
8224     \protected@edef\@currentlabel{%
8225       \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
8226     \color@begingroup
8227       \@nameuse{@threecolfootfmt#1}{##1}%
8228     \color@endgroup}\m@m@mmf@prepare}}
8229 \bidi@ensure@newcommand{\m@make@mpthreecolfootnotetext}[1]{%
8230 \bidi@namelongdef{@mpthreecolfootnotetext#1}##1{%
8231   \global\setbox\@nameuse{@mpfootins#1}\vbox{%
8232     \unvbox\@nameuse{@mpfootins#1}
8233     \def\baselinestretch{\m@m@footnote@spacing}%
8234     \reset@font\@nameuse{foottextfont#1}%
8235     \hsize\columnwidth \@parboxrestore
8236     \protected@edef\@currentlabel{%
8237       \csname p@mpfootnote#1\endcsname \@nameuse{@thefnmark#1}}%
8238     \color@begingroup
8239       \@nameuse{@threecolfootfmt#1}{##1}%
8240     \color@endgroup}\m@m@mmf@prepare}}
8241 \bidi@ensure@newcommand{\m@make@threecolfootfmt}[1]{%
8242 \bidi@namelongdef{@threecolfootfmt#1}##1{%
8243   \@preamthreelfmt
8244   {\@nameuse{footfootmark#1}\strut
8245     {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
8246 \bidi@ensure@newcommand{\m@make@threecol@footgroup}[1]{%
8247 \@namedef{@threecol@footgroup#1}{%
8248   \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8249   \m@m@rigidbalance{\@nameuse{footins#1}}{\thr@@}{\splittopskip}}}}
8250 \bidi@ensure@newcommand{\m@make@mpthreecol@footgroup}[1]{%
8251 \@namedef{@mpthreecol@footgroup#1}{%
8252   \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8253   \m@m@rigidbalance{\@nameuse{mpfootins#1}}{\thr@@}{\splittopskip}}}}

```



```

8254 \bidi@ensure@newcommand{\fourcolumnfootnotes}{%
8255   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
8256   \let\@footnotetext\@fourcolfootnotetext
8257   \let\@LTRfootnotetext\@fourcolLTRfootnotetext
8258   \let\@RTLfootnotetext\@fourcolRTLfootnotetext
8259   \dimen\footinsv@r=4\footinsdim
8260   \count\footinsv@r=250\relax
8261   \m@make@fourcol@footgroup{v@r}%
8262   \let\@footgroupv@r\@fourcol@footgroupv@r
8263   \let\@mpfootnotetext\@mpfourcolfootnotetext
8264   \let\@mpLTRfootnotetext\@mpfourcolLTRfootnotetext
8265   \let\@mpRTLfootnotetext\@mpfourcolRTLfootnotetext
8266   \m@make@mpfourcol@footgroup{v@r}%
8267   \let\mp@footgroupv@r\@mpfourcol@footgroupv@r}
8268 \bidi@ensure@newcommand{\@fourcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtru
8269   \def\baselinestretch{\m@m@footnote@spacing}%
8270   \reset@font\foottextfont
8271   \@preamfntext
8272   \protected@edef\@currentlabel{%
8273     \csname p@footnote\endcsname\@thefnmark}%
8274   \color@begingroup
8275     \@fourcolfootfmt{#1}%
8276   \color@endgroup}%
8277   \m@mmf@prepare}
8278 \bidi@ensure@newcommand{\@fourcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnote
8279   \def\baselinestretch{\m@m@footnote@spacing}%
8280   \reset@font\LTRfoottextfont
8281   \@preamfntext
8282   \protected@edef\@currentlabel{%
8283     \csname p@footnote\endcsname\@thefnmark}%
8284   \color@begingroup
8285     \@fourcolLTRfootfmt{#1}%
8286   \color@endgroup}%
8287   \m@mmf@prepare}
8288 \bidi@ensure@newcommand{\@fourcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8289   \def\baselinestretch{\m@m@footnote@spacing}%
8290   \reset@font\RTLfoottextfont
8291   \@preamfntext
8292   \protected@edef\@currentlabel{%
8293     \csname p@footnote\endcsname\@thefnmark}%
8294   \color@begingroup
8295     \@fourcolRTLfootfmt{#1}%
8296   \color@endgroup}%
8297   \m@mmf@prepare}
8298 \bidi@ensure@newcommand{\@preamfourfmt}{%
8299   \hsize .25\hsize
8300   \parindent=\z@
8301   \tolerance=5000\relax
8302   \leavevmode}
8303 \bidi@ensure@newcommand{\@fourcolfootfmt}[1]{%

```



```

8304 \@preamfourfmt
8305 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8306 \bidi@ensure@newcommand{\@fourcolLTRfootfmt}[1]{%
8307 \@preamfourfmt
8308 {\footfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8309 \bidi@ensure@newcommand{\@fourcolRTLfootfmt}[1]{%
8310 \@preamfourfmt
8311 {\footfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8312 \bidi@ensure@newcommand{\@mpfourcolfootnotetext}[1]{%
8313 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8314 \unvbox\@mpfootinsv@r
8315 \def\baselinestretch{\m@m@footnote@spacing}%
8316 \reset@font\foottextfont
8317 \hsize\columnwidth \@parboxrestore
8318 \protected@edef\@currentlabel{%
8319 \csname p@mpfootnote\endcsname\@thefnmark}%
8320 \color@begingroup
8321 \@fourcolfootfmt{#1}%
8322 \color@endgroup}%
8323 \m@mmf@prepare}
8324 \bidi@ensure@newcommand{\@mpfourcolLTRfootnotetext}[1]{%
8325 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
8326 \unvbox\@mpfootinsv@r
8327 \def\baselinestretch{\m@m@footnote@spacing}%
8328 \reset@font\LTRfoottextfont
8329 \hsize\columnwidth \@parboxrestore
8330 \if@RTLcolumnfootnotes\beginL\fi
8331 \protected@edef\@currentlabel{%
8332 \csname p@mpfootnote\endcsname\@thefnmark}%
8333 \color@begingroup
8334 \@fourcolLTRfootfmt{#1}%
8335 \color@endgroup}%
8336 \m@mmf@prepare}
8337 \bidi@ensure@newcommand{\@mpfourcolRTLfootnotetext}[1]{%
8338 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
8339 \unvbox\@mpfootinsv@r
8340 \def\baselinestretch{\m@m@footnote@spacing}%
8341 \reset@font\RTLfoottextfont
8342 \hsize\columnwidth \@parboxrestore
8343 \protected@edef\@currentlabel{%
8344 \csname p@mpfootnote\endcsname\@thefnmark}%
8345 \color@begingroup
8346 \@fourcolRTLfootfmt{#1}%
8347 \color@endgroup}%
8348 \m@mmf@prepare}
8349 \bidi@ensure@newcommand{\fourcolumnfootstyle}[1]{%
8350 \m@make@fourcolfootnotetext{#1}%
8351 \m@make@mpfourcolfootnotetext{#1}%
8352 \m@make@fourcolfootfmt{#1}%
8353 \m@make@fourcol@footgroup{#1}%

```



```

8354 \m@make@mpfourcol@footgroup{#1}%
8355 \m@make@footstart{#1}%
8356 \bidi@namelongdef{@footnotetext#1}##1{%
8357   \@nameuse{@fourcolfootnotetext#1}{##1}}%
8358 \bidi@namelongdef{@mpfootnotetext#1}##1{%
8359   \@nameuse{@mpfourcolfootnotetext#1}{##1}}%
8360 \@namedef{@footgroup#1}{\@nameuse{@fourcol@footgroup#1}}%
8361 \@namedef{mp@footgroup#1}{\@nameuse{@mpfourcol@footgroup#1}}%
8362 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
8363 \expandafter\count\csname footins#1\endcsname=500\relax}
8364 \bidi@ensure@newcommand{\m@make@fourcolfootnotetext}[1]{%
8365   \bidi@namelongdef{@fourcolfootnotetext#1}##1{%
8366     \insert\@nameuse{footins#1}{%
8367       \def\baselinestretch{\m@m@footnote@spacing}%
8368       \reset@font\@nameuse{foottextfont#1}%
8369       \@preamfntext
8370       \protected@edef\@currentlabel{%
8371         \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
8372       \color@begingroup
8373       \@nameuse{@fourcolfootfmt#1}{##1}%
8374       \color@endgroup}%
8375       \m@mmf@prepare}}
8376 \bidi@ensure@newcommand{\m@make@mpfourcolfootnotetext}[1]{%
8377   \bidi@namelongdef{@mpfourcolfootnotetext#1}##1{%
8378     \global\setbox\@nameuse{@mpfootins#1}\vbox{%
8379       \unvbox\@nameuse{@mpfootins#1}
8380       \def\baselinestretch{\m@m@footnote@spacing}%
8381       \reset@font\@nameuse{foottextfont#1}%
8382       \hsize\columnwidth \@parboxrestore
8383       \protected@edef\@currentlabel{%
8384         \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
8385       \color@begingroup
8386       \@nameuse{@fourcolfootfmt#1}{##1}%
8387       \color@endgroup}\m@mmf@prepare}}
8388 \bidi@ensure@newcommand{\m@make@fourcolfootfmt}[1]{%
8389   \@namedef{@fourcolfootfmt#1}##1{%
8390     \@preamfourfmt
8391     {\@nameuse{footfootmark#1}\strut
8392      {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
8393 \bidi@ensure@newcommand{\m@make@fourcol@footgroup}[1]{%
8394   \@namedef{@fourcol@footgroup#1}{%
8395     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8396     \m@mrigidbodybalance{\@nameuse{footins#1}}{4}{\splittopskip}}}}
8397 \bidi@ensure@newcommand{\m@make@mpfourcol@footgroup}[1]{%
8398   \@namedef{@mpfourcol@footgroup#1}{%
8399     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8400     \m@mrigidbodybalance{\@nameuse{@mpfootins#1}}{4}{\splittopskip}}}}
8401 \bidi@ensure@newcommand{\fivecolumnfootnotes}{%
8402   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
8403   \let\@footnotetext\@fivecolfootnotetext

```



```

8404 \let\@LTRfootnotetext\@fivecolLTRfootnotetext
8405 \let\@RTLfootnotetext\@fivecolRTLfootnotetext
8406 \dimen\footinsv@r=5\footinsdim
8407 \count\footinsv@r=200\relax
8408 \m@make@fivecol@footgroup{v@r}%
8409 \let\@footgroupv@r\@fivecol@footgroupv@r
8410 \let\@mpfootnotetext\@mpfivecolfootnotetext
8411 \let\@mpLTRfootnotetext\@mpfivecolLTRfootnotetext
8412 \let\@mpRTLfootnotetext\@mpfivecolRTLfootnotetext
8413 \m@make@mpfivecol@footgroup{v@r}%
8414 \let\mp@footgroupv@r\@mpfivecol@footgroupv@r
8415 \bidi@ensure@newcommand{\@fivecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtru
8416 \def\baselinestretch{\m@m@footnote@spacing}%
8417 \reset@font\foottextfont
8418 \@preamfntext
8419 \protected@edef\@currentlabel{%
8420 \csname p@footnote\endcsname\@thefnmark}%
8421 \color@begingroup
8422 \@fivecolfootfmt{#1}%
8423 \color@endgroup}%
8424 \m@mmf@prepare}
8425 \bidi@ensure@newcommand{\@fivecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnote
8426 \def\baselinestretch{\m@m@footnote@spacing}%
8427 \reset@font\LTRfoottextfont
8428 \@preamfntext
8429 \protected@edef\@currentlabel{%
8430 \csname p@footnote\endcsname\@thefnmark}%
8431 \color@begingroup
8432 \@fivecolLTRfootfmt{#1}%
8433 \color@endgroup}%
8434 \m@mmf@prepare}
8435 \bidi@ensure@newcommand{\@fivecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8436 \def\baselinestretch{\m@m@footnote@spacing}%
8437 \reset@font\RTLfoottextfont
8438 \@preamfntext
8439 \protected@edef\@currentlabel{%
8440 \csname p@footnote\endcsname\@thefnmark}%
8441 \color@begingroup
8442 \@fivecolRTLfootfmt{#1}%
8443 \color@endgroup}%
8444 \m@mmf@prepare}
8445 \bidi@ensure@newcommand{\@preamfivefmt}{%
8446 \hsize .2\hsize
8447 \parindent=\z@
8448 \tolerance=5000\relax
8449 \leavevmode}
8450 \bidi@ensure@newcommand{\@fivecolfootfmt}[1]{%
8451 \@preamfivefmt
8452 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8453 \bidi@ensure@newcommand{\@fivecolLTRfootfmt}[1]{%

```




```

8454 \@preamfivefmt
8455 {\footfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8456 \bidi@ensure@newcommand{\@fivecolRTLfootfmt}[1]{%
8457 \@preamfivefmt
8458 {\footfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8459 \bidi@ensure@newcommand{\@mpfivecolfootnotetext}[1]{%
8460 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8461 \unvbox\@mpfootinsv@r
8462 \def\baselinestretch{\m@m@footnote@spacing}%
8463 \reset@font\foottextfont
8464 \hsize\columnwidth \@parboxrestore
8465 \protected@edef\@currentlabel{%
8466 \csname p@mpfootnote\endcsname\@thefnmark}%
8467 \color@begingroup
8468 \@fivecolfootfmt{#1}%
8469 \color@endgroup}%
8470 \m@mmf@prepare}
8471 \bidi@ensure@newcommand{\@mpfivecolLTRfootnotetext}[1]{%
8472 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
8473 \unvbox\@mpfootinsv@r
8474 \def\baselinestretch{\m@m@footnote@spacing}%
8475 \reset@font\LTRfoottextfont
8476 \hsize\columnwidth \@parboxrestore
8477 \if@RTLcolumnfootnotes\beginL\fi
8478 \protected@edef\@currentlabel{%
8479 \csname p@mpfootnote\endcsname\@thefnmark}%
8480 \color@begingroup
8481 \@fivecolLTRfootfmt{#1}%
8482 \color@endgroup}%
8483 \m@mmf@prepare}
8484 \bidi@ensure@newcommand{\@mpfivecolRTLfootnotetext}[1]{%
8485 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
8486 \unvbox\@mpfootinsv@r
8487 \def\baselinestretch{\m@m@footnote@spacing}%
8488 \reset@font\RTLfoottextfont
8489 \hsize\columnwidth \@parboxrestore
8490 \protected@edef\@currentlabel{%
8491 \csname p@mpfootnote\endcsname\@thefnmark}%
8492 \color@begingroup
8493 \@fivecolRTLfootfmt{#1}%
8494 \color@endgroup}%
8495 \m@mmf@prepare}
8496 \bidi@ensure@newcommand{\fivecolumnfootstyle}[1]{%
8497 \m@make@fivecolfootnotetext{#1}%
8498 \m@make@mpfivecolfootnotetext{#1}%
8499 \m@make@fivecolfootfmt{#1}%
8500 \m@make@fivecol@footgroup{#1}%
8501 \m@make@mpfivecol@footgroup{#1}%
8502 \m@make@footstart{#1}%
8503 \bidi@namelongdef{\footnotetext#1}##1{%

```



```

8504 \nameuse{@fivecolfootnotetext#1}{##1}}%
8505 \bidi@namelongdef{@mpfootnotetext#1}##1{%
8506 \nameuse{@mpfivecolfootnotetext#1}{##1}}%
8507 \@namedef{@footgroup#1}{\nameuse{@fivecol@footgroup#1}}%
8508 \@namedef{@mp@footgroup#1}{\nameuse{@mpfivecol@footgroup#1}}%
8509 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
8510 \expandafter\count\csname footins#1\endcsname=500\relax}
8511 \bidi@ensure@newcommand{\m@make@fivecolfootnotetext}[1]{%
8512 \bidi@namelongdef{@fivecolfootnotetext#1}##1{%
8513 \insert\nameuse{footins#1}{%
8514 \def\baselinestretch{\m@m@footnote@spacing}%
8515 \reset@font\nameuse{foottextfont#1}%
8516 \@preamfntext
8517 \protected@edef\currentlabel{%
8518 \csname p@footnote#1\endcsname \nameuse{@thefnmark#1}}%
8519 \color@begingroup
8520 \nameuse{@fivecolfootfmt#1}{##1}%
8521 \color@endgroup}%
8522 \m@m@prepare}}
8523 \bidi@ensure@newcommand{\m@make@mpfivecolfootnotetext}[1]{%
8524 \bidi@namelongdef{@mpfivecolfootnotetext#1}##1{%
8525 \global\setbox\nameuse{@mpfootins#1}\vbox{%
8526 \unvbox\nameuse{@mpfootins#1}
8527 \def\baselinestretch{\m@m@footnote@spacing}%
8528 \reset@font\nameuse{foottextfont#1}%
8529 \hsize\columnwidth \@parboxrestore
8530 \protected@edef\currentlabel{%
8531 \csname p@mpfootnote#1\endcsname\nameuse{@thefnmark#1}}%
8532 \color@begingroup
8533 \nameuse{@fivecolfootfmt#1}{##1}%
8534 \color@endgroup}\m@m@prepare}}
8535 \bidi@ensure@newcommand{\m@make@fivecolfootfmt}[1]{%
8536 \@namedef{@fivecolfootfmt#1}##1{%
8537 \@preamfivefmt
8538 {\nameuse{footfootmark#1}\strut
8539 {\nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
8540 \bidi@ensure@newcommand{\m@make@fivecol@footgroup}[1]{%
8541 \@namedef{@fivecol@footgroup#1}{%
8542 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8543 \m@r@rigidbalance{\nameuse{footins#1}}{5}{\splittopskip}}}%
8544 \bidi@ensure@newcommand{\m@make@mpfivecol@footgroup}[1]{%
8545 \@namedef{@mpfivecol@footgroup#1}{%
8546 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8547 \m@r@rigidbalance{\nameuse{@mpfootins#1}}{5}{\splittopskip}}}%
8548 \bidi@ensure@newcommand{\sixcolumnfootnotes}{%
8549 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
8550 \let\@footnotetext\@sixcolfootnotetext
8551 \let\@LTRfootnotetext\@sixcolLTRfootnotetext
8552 \let\@RTLfootnotetext\@sixcolRTLfootnotetext
8553 \dimen\footinsv@r=6\footinsdim

```



```

8554 \count\footinsv@r=166\relax
8555 \m@make@sixcol@footgroup{v@r}%
8556 \let\@footgroupv@r\@sixcol@footgroupv@r
8557 \let\@mpfootnotetext\@mpsixcolfootnotetext
8558 \let\@mpLTRfootnotetext\@mpsixcolLTRfootnotetext
8559 \let\@mpRTLfootnotetext\@mpsixcolRTLfootnotetext
8560 \m@make@mpsixcol@footgroup{v@r}%
8561 \let\mp@footgroupv@r\@mpsixcol@footgroupv@r
8562 \bidi@ensure@newcommand{\@sixcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
8563 \def\baselinestretch{\m@m@footnote@spacing}%
8564 \reset@font\foottextfont
8565 \@preamfntext
8566 \protected@edef\@currentlabel{%
8567 \csname p@footnote\endcsname\@thefnmark}%
8568 \color@begingroup
8569 \@sixcolfootfmt{#1}%
8570 \color@endgroup}%
8571 \m@mmf@prepare}
8572 \bidi@ensure@newcommand{\@sixcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes%
8573 \def\baselinestretch{\m@m@footnote@spacing}%
8574 \reset@font\LTRfoottextfont
8575 \@preamfntext
8576 \protected@edef\@currentlabel{%
8577 \csname p@footnote\endcsname\@thefnmark}%
8578 \color@begingroup
8579 \@sixcolLTRfootfmt{#1}%
8580 \color@endgroup}%
8581 \m@mmf@prepare}
8582 \bidi@ensure@newcommand{\@sixcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8583 \def\baselinestretch{\m@m@footnote@spacing}%
8584 \reset@font\RTLfoottextfont
8585 \@preamfntext
8586 \protected@edef\@currentlabel{%
8587 \csname p@footnote\endcsname\@thefnmark}%
8588 \color@begingroup
8589 \@sixcolRTLfootfmt{#1}%
8590 \color@endgroup}%
8591 \m@mmf@prepare}
8592 \bidi@ensure@newcommand{\@preamsixfmt}{%
8593 \hsize .16\hsize
8594 \parindent=\z@
8595 \tolerance=5000\relax
8596 \leavevmode}
8597 \bidi@ensure@newcommand{\@sixcolfootfmt}[1]{%
8598 \@preamsixfmt
8599 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8600 \bidi@ensure@newcommand{\@sixcolLTRfootfmt}[1]{%
8601 \@preamsixfmt
8602 {\footfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8603 \bidi@ensure@newcommand{\@sixcolRTLfootfmt}[1]{%

```



```

8604 \@preamsixfmt
8605 {\footfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8606 \bidi@ensure@newcommand{\@mpsixcolfootnotetext}[1]{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
8607 \global\setbox\@mpfootinsv\@r\@vbox{%
8608 \unvbox\@mpfootinsv@r
8609 \def\baselinestretch{\m@m@footnote@spacing}%
8610 \reset@font\foottextfont
8611 \hsize\columnwidth \@parboxrestore
8612 \protected@edef\@currentlabel{%
8613 \csname p@mpfootnote\endcsname\@thefnmark}%
8614 \color@begingroup
8615 \@sixcolfootfmt{#1}%
8616 \color@endgroup}%
8617 \m@mmf@prepare}
8618 \bidi@ensure@newcommand{\@mpsixcolLTRfootnotetext}[1]{\@RTLfalse%
8619 \global\setbox\@mpfootinsv\@r\@vbox{%
8620 \unvbox\@mpfootinsv@r
8621 \def\baselinestretch{\m@m@footnote@spacing}%
8622 \reset@font\LTRfoottextfont
8623 \hsize\columnwidth \@parboxrestore
8624 \if@RTLcolumnfootnotes\beginL\fi
8625 \protected@edef\@currentlabel{%
8626 \csname p@mpfootnote\endcsname\@thefnmark}%
8627 \color@begingroup
8628 \@sixcolLTRfootfmt{#1}%
8629 \color@endgroup}%
8630 \m@mmf@prepare}
8631 \bidi@ensure@newcommand{\@mpsixcolRTLfootnotetext}[1]{\@RTLtrue%
8632 \global\setbox\@mpfootinsv\@r\@vbox{%
8633 \unvbox\@mpfootinsv@r
8634 \def\baselinestretch{\m@m@footnote@spacing}%
8635 \reset@font\RTLfoottextfont
8636 \hsize\columnwidth \@parboxrestore
8637 \protected@edef\@currentlabel{%
8638 \csname p@mpfootnote\endcsname\@thefnmark}%
8639 \color@begingroup
8640 \@sixcolRTLfootfmt{#1}%
8641 \color@endgroup}%
8642 \m@mmf@prepare}
8643 \bidi@ensure@newcommand{\sixcolumnfootstyle}[1]{%
8644 \m@make@sixcolfootnotetext{#1}%
8645 \m@make@mpsixcolfootnotetext{#1}%
8646 \m@make@sixcolfootfmt{#1}%
8647 \m@make@sixcol@footgroup{#1}%
8648 \m@make@mpsixcol@footgroup{#1}%
8649 \m@make@footstart{#1}%
8650 \bidi@namelongdef{\footnotetext#1}##1{%
8651 \nameuse{\@sixcolfootnotetext#1}{##1}}%
8652 \bidi@namelongdef{\mpfootnotetext#1}##1{%
8653 \nameuse{\@mpsixcolfootnotetext#1}{##1}}%

```



```

8654 \@namedef{@footgroup#1}{\@nameuse{@sixcol@footgroup#1}}%
8655 \@namedef{mp@footgroup#1}{\@nameuse{@mpsixcol@footgroup#1}}%
8656 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
8657 \expandafter\count\csname footins#1\endcsname=500\relax
8658 \bidi@ensure@newcommand{\m@make@sixcolfootnotetext}[1]{%
8659 \bidi@namelongdef{@sixcolfootnotetext#1}##1{%
8660 \insert\@nameuse{footins#1}{%
8661 \def\baselinestretch{\m@m@footnote@spacing}%
8662 \reset@font\@nameuse{foottextfont#1}%
8663 \@preamfntext
8664 \protected@edef\@currentlabel{%
8665 \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
8666 \color@begingroup
8667 \@nameuse{@sixcolfootfmt#1}{##1}%
8668 \color@endgroup}%
8669 \m@mmf@prepare}}
8670 \bidi@ensure@newcommand{\m@make@mpsixcolfootnotetext}[1]{%
8671 \bidi@namelongdef{@mpsixcolfootnotetext#1}##1{%
8672 \global\setbox\@nameuse{@mpfootins#1}\vbox{%
8673 \unvbox\@nameuse{@mpfootins#1}
8674 \def\baselinestretch{\m@m@footnote@spacing}%
8675 \reset@font\@nameuse{foottextfont#1}%
8676 \hsize\columnwidth \@parboxrestore
8677 \protected@edef\@currentlabel{%
8678 \csname p@mpfootnote#1\endcsname \@nameuse{@thefnmark#1}}%
8679 \color@begingroup
8680 \@nameuse{@sixcolfootfmt#1}{##1}%
8681 \color@endgroup}\m@mmf@prepare}}
8682 \bidi@ensure@newcommand{\m@make@sixcolfootfmt}[1]{%
8683 \@namedef{@sixcolfootfmt#1}##1{%
8684 \@preamsixfmt
8685 {\@nameuse{footfootmark#1}\strut
8686 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
8687 \bidi@ensure@newcommand{\m@make@sixcol@footgroup}[1]{%
8688 \@namedef{@sixcol@footgroup#1}{%
8689 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8690 \m@mrigidbodybalance{\@nameuse{footins#1}}{6}{\splittopskip}}}%
8691 \bidi@ensure@newcommand{\m@make@mpsixcol@footgroup}[1]{%
8692 \@namedef{@mpsixcol@footgroup#1}{%
8693 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8694 \m@mrigidbodybalance{\@nameuse{@mpfootins#1}}{6}{\splittopskip}}}%
8695 \bidi@ensure@newcommand{\sevendcolumnfootnotes}{%
8696 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
8697 \let\@footnotetext\@sevendcolfootnotetext
8698 \let\@LTRfootnotetext\@sevendcolLTRfootnotetext
8699 \let\@RTLfootnotetext\@sevendcolRTLfootnotetext
8700 \dimen\footinsv@r=7\footinsdim
8701 \count\footinsv@r=142\relax
8702 \m@make@sevendcol@footgroup{v@r}%
8703 \let\@footgroupv@r\@sevendcol@footgroupv@r

```



```

8704 \let\@mpfootnotetext\@mpsevenscolfootnotetext
8705 \let\@mplTRfootnotetext\@mpsevenscolLTRfootnotetext
8706 \let\@mpRTLfootnotetext\@mpsevenscolRTLfootnotetext
8707 \m@make@mpsevenscol@footgroup{v@r}%
8708 \let\mp@footgroupv@r\@mpsevenscol@footgroupv@r}
8709 \bidi@ensure@newcommand{\@sevenscolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtr
8710 \def\baselinestretch{\m@m@footnote@spacing}%
8711 \reset@font\foottextfont
8712 \@preamfntext
8713 \protected@edef\@currentlabel{%
8714 \csname p@footnote\endcsname\@thefnmark}%
8715 \color@begingroup
8716 \@sevenscolfootfmt{#1}%
8717 \color@endgroup}%
8718 \m@mmf@prepare}
8719 \bidi@ensure@newcommand{\@sevenscolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnot
8720 \def\baselinestretch{\m@m@footnote@spacing}%
8721 \reset@font\LTRfoottextfont
8722 \@preamfntext
8723 \protected@edef\@currentlabel{%
8724 \csname p@footnote\endcsname\@thefnmark}%
8725 \color@begingroup
8726 \@sevenscolLTRfootfmt{#1}%
8727 \color@endgroup}%
8728 \m@mmf@prepare}
8729 \bidi@ensure@newcommand{\@sevenscolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8730 \def\baselinestretch{\m@m@footnote@spacing}%
8731 \reset@font\RTLfoottextfont
8732 \@preamfntext
8733 \protected@edef\@currentlabel{%
8734 \csname p@footnote\endcsname\@thefnmark}%
8735 \color@begingroup
8736 \@sevenscolRTLfootfmt{#1}%
8737 \color@endgroup}%
8738 \m@mmf@prepare}
8739 \bidi@ensure@newcommand{\@preamsevenfmt}{%
8740 \hsize .142\hsize
8741 \parindent=\z@
8742 \tolerance=5000\relax
8743 \leavevmode}
8744 \bidi@ensure@newcommand{\@sevenscolfootfmt}[1]{%
8745 \@preamsevenfmt
8746 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8747 \bidi@ensure@newcommand{\@sevenscolLTRfootfmt}[1]{%
8748 \@preamsevenfmt
8749 {\footfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8750 \bidi@ensure@newcommand{\@sevenscolRTLfootfmt}[1]{%
8751 \@preamsevenfmt
8752 {\footfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8753 \bidi@ensure@newcommand{\@mpsevenscolfootnotetext}[1]{\if@RTL@footnote\@RTLtrue\else\@RTLfalse

```



```

8754 \global\setbox\@mpfootinsv@r\vbox{%
8755   \unvbox\@mpfootinsv@r
8756   \def\baselinestretch{\m@m@footnote@spacing}%
8757   \reset@font\foottextfont
8758   \hsize\columnwidth \@parboxrestore
8759   \protected@edef\@currentlabel{%
8760     \csname p@mpfootnote\endcsname\@thefnmark}%
8761   \color@begingroup
8762     \@sevendcolfootfmt{#1}%
8763   \color@endgroup}%
8764   \m@m@mmf@prepare}
8765 \bidi@ensure@newcommand{\@mpsevendcolLTRfootnotetext}[1]{\@RTLfalse%
8766   \global\setbox\@mpfootinsv@r\vbox{%
8767     \unvbox\@mpfootinsv@r
8768     \def\baselinestretch{\m@m@footnote@spacing}%
8769     \reset@font\LTRfoottextfont
8770     \hsize\columnwidth \@parboxrestore
8771     \if@RTLcolumnfootnotes\beginL\fi
8772     \protected@edef\@currentlabel{%
8773       \csname p@mpfootnote\endcsname\@thefnmark}%
8774     \color@begingroup
8775       \@sevendcolLTRfootfmt{#1}%
8776     \color@endgroup}%
8777     \m@m@mmf@prepare}
8778 \bidi@ensure@newcommand{\@mpsevendcolRTLfootnotetext}[1]{\@RTLtrue%
8779   \global\setbox\@mpfootinsv@r\vbox{%
8780     \unvbox\@mpfootinsv@r
8781     \def\baselinestretch{\m@m@footnote@spacing}%
8782     \reset@font\RTLfoottextfont
8783     \hsize\columnwidth \@parboxrestore
8784     \protected@edef\@currentlabel{%
8785       \csname p@mpfootnote\endcsname\@thefnmark}%
8786     \color@begingroup
8787       \@sevendcolRTLfootfmt{#1}%
8788     \color@endgroup}%
8789     \m@m@mmf@prepare}
8790 \bidi@ensure@newcommand{\sevendcolumnfootstyle}[1]{%
8791   \m@make@sevendcolfootnotetext{#1}%
8792   \m@make@mpsevendcolfootnotetext{#1}%
8793   \m@make@sevendcolfootfmt{#1}%
8794   \m@make@sevendcol@footgroup{#1}%
8795   \m@make@mpsevendcol@footgroup{#1}%
8796   \m@make@footstart{#1}%
8797   \bidi@namelongdef{\@footnotetext#1}##1{%
8798     \@nameuse{\@sevendcolfootnotetext#1}{##1}}%
8799   \bidi@namelongdef{\@mpfootnotetext#1}##1{%
8800     \@nameuse{\@mpsevendcolfootnotetext#1}{##1}}%
8801   \@namedef{\@footgroup#1}{\@nameuse{\@sevendcol@footgroup#1}}%
8802   \@namedef{\mp@footgroup#1}{\@nameuse{\@mpsevendcol@footgroup#1}}%
8803   \expandafter\dimen\csname footins#1\endcsname=2\footinsdim

```



```

8804 \expandafter\count\csname footins#1\endcsname=500\relax}
8805 \bidi@ensure@newcommand{\m@make@sevendcolfootnotetext}[1]{%
8806 \bidi@namelongdef{\sevendcolfootnotetext#1}##1{%
8807 \insert\@nameuse{footins#1}{%
8808 \def\baselinestretch{\m@m@footnote@spacing}%
8809 \reset@font\@nameuse{foottextfont#1}%
8810 \@preamfntext
8811 \protected@edef\@currentlabel{%
8812 \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
8813 \color@begingroup
8814 \@nameuse{@sevendcolfootfmt#1}{##1}%
8815 \color@endgroup}%
8816 \m@m@mmf@prepare}}
8817 \bidi@ensure@newcommand{\m@make@mpsevendcolfootnotetext}[1]{%
8818 \bidi@namelongdef{\mpsevendcolfootnotetext#1}##1{%
8819 \global\setbox\@nameuse{@mpfootins#1}\vbox{%
8820 \unvbox\@nameuse{@mpfootins#1}
8821 \def\baselinestretch{\m@m@footnote@spacing}%
8822 \reset@font\@nameuse{foottextfont#1}%
8823 \hsize\columnwidth \@parboxrestore
8824 \protected@edef\@currentlabel{%
8825 \csname p@mpfootnote#1\endcsname \@nameuse{@thefnmark#1}}%
8826 \color@begingroup
8827 \@nameuse{@sevendcolfootfmt#1}{##1}%
8828 \color@endgroup}\m@m@mmf@prepare}}
8829 \bidi@ensure@newcommand{\m@make@sevendcolfootfmt}[1]{%
8830 \@namedef{@sevendcolfootfmt#1}##1{%
8831 \@preamsevenfmt
8832 {\@nameuse{footfootmark#1}\strut
8833 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
8834 \bidi@ensure@newcommand{\m@make@sevendcol@footgroup}[1]{%
8835 \@namedef{@sevendcol@footgroup#1}{%
8836 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8837 \m@m@rigidbalance{\@nameuse{footins#1}}{7}{\splittopskip}}}}
8838 \bidi@ensure@newcommand{\m@make@mpsevendcol@footgroup}[1]{%
8839 \@namedef{@mpsevendcol@footgroup#1}{%
8840 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8841 \m@m@rigidbalance{\@nameuse{@mpfootins#1}}{7}{\splittopskip}}}}
8842 \bidi@ensure@newcommand{\eightcolumnfootnotes}{%
8843 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
8844 \let\@footnotetext\@eightcolfootnotetext
8845 \let\@LTRfootnotetext\@eightcolLTRfootnotetext
8846 \let\@RTLfootnotetext\@eightcolRTLfootnotetext
8847 \dimen\footinsv@r=8\footinsdim
8848 \count\footinsv@r=125\relax
8849 \m@make@eightcol@footgroup{v@r}%
8850 \let\@footgroupv@r\@eightcol@footgroupv@r
8851 \let\@mpfootnotetext\@mpeightcolfootnotetext
8852 \let\@mpLTRfootnotetext\@mpeightcolLTRfootnotetext
8853 \let\@mpRTLfootnotetext\@mpeightcolRTLfootnotetext

```




```

8854 \m@make@mpeightcol@footgroup{v@r}%
8855 \let\mp@footgroupv@r\@mpeightcol@footgroupv@r}
8856 \bidi@ensure@newcommand{\@eightcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtr
8857 \def\baselinestretch{\m@m@footnote@spacing}%
8858 \reset@font\foottextfont
8859 \@preamfntext
8860 \protected@edef\@currentlabel{%
8861 \csname p@footnote\endcsname\@thefnmark}%
8862 \color@begingroup
8863 \@eightcolfootfmt{#1}%
8864 \color@endgroup}%
8865 \m@m@mmf@prepare}
8866 \bidi@ensure@newcommand{\@eightcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnot
8867 \def\baselinestretch{\m@m@footnote@spacing}%
8868 \reset@font\LTRfoottextfont
8869 \@preamfntext
8870 \protected@edef\@currentlabel{%
8871 \csname p@footnote\endcsname\@thefnmark}%
8872 \color@begingroup
8873 \@eightcolLTRfootfmt{#1}%
8874 \color@endgroup}%
8875 \m@m@mmf@prepare}
8876 \bidi@ensure@newcommand{\@eightcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8877 \def\baselinestretch{\m@m@footnote@spacing}%
8878 \reset@font\RTLfoottextfont
8879 \@preamfntext
8880 \protected@edef\@currentlabel{%
8881 \csname p@footnote\endcsname\@thefnmark}%
8882 \color@begingroup
8883 \@eightcolRTLfootfmt{#1}%
8884 \color@endgroup}%
8885 \m@m@mmf@prepare}
8886 \bidi@ensure@newcommand{\@preameightfmt}{%
8887 \hsize .125\hsize
8888 \parindent=\z@
8889 \tolerance=5000\relax
8890 \leavevmode}
8891 \bidi@ensure@newcommand{\@eightcolfootfmt}[1]{%
8892 \@preameightfmt
8893 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8894 \bidi@ensure@newcommand{\@eightcolLTRfootfmt}[1]{%
8895 \@preameightfmt
8896 {\footfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8897 \bidi@ensure@newcommand{\@eightcolRTLfootfmt}[1]{%
8898 \@preameightfmt
8899 {\footfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8900 \bidi@ensure@newcommand{\@mpeightcolfootnotetext}[1]{%
8901 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8902 \unvbox\@mpfootinsv@r
8903 \def\baselinestretch{\m@m@footnote@spacing}%

```



```

8904 \reset@font\foottextfont
8905 \hsize\columnwidth \@parboxrestore
8906 \protected@edef\@currentlabel{%
8907 \csname p@mpfootnote\endcsname\@thefnmark}%
8908 \color@begingroup
8909 \@eightcolfootfmt{#1}%
8910 \color@endgroup}%
8911 \m@mmf@prepare}
8912 \bidi@ensure@newcommand{\@mpeightcolLTRfootnotetext}[1]{%
8913 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
8914 \unvbox\@mpfootinsv@r
8915 \def\baselinestretch{\m@m@footnote@spacing}%
8916 \reset@font\LTRfoottextfont
8917 \hsize\columnwidth \@parboxrestore
8918 \if@RTLcolumnfootnotes\beginL\fi
8919 \protected@edef\@currentlabel{%
8920 \csname p@mpfootnote\endcsname\@thefnmark}%
8921 \color@begingroup
8922 \@eightcolLTRfootfmt{#1}%
8923 \color@endgroup}%
8924 \m@mmf@prepare}
8925 \bidi@ensure@newcommand{\@mpeightcolRTLfootnotetext}[1]{%
8926 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
8927 \unvbox\@mpfootinsv@r
8928 \def\baselinestretch{\m@m@footnote@spacing}%
8929 \reset@font\RTLfoottextfont
8930 \hsize\columnwidth \@parboxrestore
8931 \protected@edef\@currentlabel{%
8932 \csname p@mpfootnote\endcsname\@thefnmark}%
8933 \color@begingroup
8934 \@eightcolRTLfootfmt{#1}%
8935 \color@endgroup}%
8936 \m@mmf@prepare}
8937 \bidi@ensure@newcommand{\eightcolumnfootstyle}[1]{%
8938 \m@make@eightcolfootnotetext{#1}%
8939 \m@make@mpeightcolfootnotetext{#1}%
8940 \m@make@eightcolfootfmt{#1}%
8941 \m@make@eightcol@footgroup{#1}%
8942 \m@make@mpeightcol@footgroup{#1}%
8943 \m@make@footstart{#1}%
8944 \bidi@namelongdef{\@footnotetext#1}##1{%
8945 \@nameuse{\@eightcolfootnotetext#1}{##1}}%
8946 \bidi@namelongdef{\@mpfootnotetext#1}##1{%
8947 \@nameuse{\@mpeightcolfootnotetext#1}{##1}}%
8948 \@namedef{\@footgroup#1}{\@nameuse{\@eightcol@footgroup#1}}%
8949 \@namedef{\@mpfootgroup#1}{\@nameuse{\@mpeightcol@footgroup#1}}%
8950 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
8951 \expandafter\count\csname footins#1\endcsname=500\relax}
8952 \bidi@ensure@newcommand{\m@make@eightcolfootnotetext}[1]{%
8953 \bidi@namelongdef{\@eightcolfootnotetext#1}##1{%

```



```

8954 \insert\@nameuse{footins#1}{%
8955 \def\baselinestretch{\m@m@footnote@spacing}%
8956 \reset@font\@nameuse{foottextfont#1}%
8957 \@preamfntext
8958 \protected@edef\@currentlabel{%
8959 \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
8960 \color@begingroup
8961 \@nameuse{@eightcolfootfmt#1}{##1}%
8962 \color@endgroup}%
8963 \m@mmf@prepare}}
8964 \bidi@ensure@newcommand{\m@make@mp@eightcolfootnotetext}[1]{%
8965 \bidi@namelongdef{\m@make@mp@eightcolfootnotetext#1}##1{%
8966 \global\setbox\@nameuse{@mpfootins#1}\vbox{%
8967 \unvbox\@nameuse{@mpfootins#1}
8968 \def\baselinestretch{\m@m@footnote@spacing}%
8969 \reset@font\@nameuse{foottextfont#1}%
8970 \hsize\columnwidth \@parboxrestore
8971 \protected@edef\@currentlabel{%
8972 \csname p@mpfootnote#1\endcsname \@nameuse{@thefnmark#1}}%
8973 \color@begingroup
8974 \@nameuse{@eightcolfootfmt#1}{##1}%
8975 \color@endgroup}\m@mmf@prepare}}
8976 \bidi@ensure@newcommand{\m@make@eightcolfootfmt}[1]{%
8977 \namedef{@eightcolfootfmt#1}##1{%
8978 \@preameightfmt
8979 {\@nameuse{footfootmark#1}\strut
8980 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
8981 \bidi@ensure@newcommand{\m@make@eightcol@footgroup}[1]{%
8982 \namedef{@eightcol@footgroup#1}{%
8983 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8984 \m@mrigidbalance{\@nameuse{footins#1}}{8}{\splittopskip}}}}
8985 \bidi@ensure@newcommand{\m@make@mp@eightcol@footgroup}[1]{%
8986 \namedef{@mp@eightcol@footgroup#1}{%
8987 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8988 \m@mrigidbalance{\@nameuse{@mpfootins#1}}{8}{\splittopskip}}}}
8989 \bidi@ensure@newcommand{\ninecolumnfootnotes}{%
8990 \namedef{foottextfontv@r}{\foottextfont}% % [RS]
8991 \let\@footnotetext\@ninecolfootnotetext
8992 \let\@LTRfootnotetext\@ninecolLTRfootnotetext
8993 \let\@RTLfootnotetext\@ninecolRTLfootnotetext
8994 \dimen\footinsv@r=9\footinsdim
8995 \count\footinsv@r=111\relax
8996 \m@make@ninecol@footgroup{v@r}%
8997 \let\@footgroupv@r\@ninecol@footgroupv@r
8998 \let\@mpfootnotetext\@mpninecolfootnotetext
8999 \let\@mpLTRfootnotetext\@mpninecolLTRfootnotetext
9000 \let\@mpRTLfootnotetext\@mpninecolRTLfootnotetext
9001 \m@make@mpninecol@footgroup{v@r}%
9002 \let\mp@footgroupv@r\@mpninecol@footgroupv@r}
9003 \bidi@ensure@newcommand{\@ninecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtru

```



```

9004 \def\baselinestretch{\m@m@footnote@spacing}%
9005 \reset@font\foottextfont
9006 \@preamfntext
9007 \protected@edef\@currentlabel{%
9008   \csname p@footnote\endcsname\@thefnmark}%
9009 \color@begingroup
9010   \@ninecolfootfmt{#1}%
9011 \color@endgroup}%
9012 \m@mmf@prepare}
9013 \bidi@ensure@newcommand{\@ninecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnote
9014 \def\baselinestretch{\m@m@footnote@spacing}%
9015 \reset@font\LTRfoottextfont
9016 \@preamfntext
9017 \protected@edef\@currentlabel{%
9018   \csname p@footnote\endcsname\@thefnmark}%
9019 \color@begingroup
9020   \@ninecolLTRfootfmt{#1}%
9021 \color@endgroup}%
9022 \m@mmf@prepare}
9023 \bidi@ensure@newcommand{\@ninecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9024 \def\baselinestretch{\m@m@footnote@spacing}%
9025 \reset@font\RTLfoottextfont
9026 \@preamfntext
9027 \protected@edef\@currentlabel{%
9028   \csname p@footnote\endcsname\@thefnmark}%
9029 \color@begingroup
9030   \@ninecolRTLfootfmt{#1}%
9031 \color@endgroup}%
9032 \m@mmf@prepare}
9033 \bidi@ensure@newcommand{\@preamninefmt}{%
9034 \hsize .1\hsize
9035 \parindent=\z@
9036 \tolerance=5000\relax
9037 \leavevmode}
9038 \bidi@ensure@newcommand{\@ninecolfootfmt}[1]{%
9039 \@preamninefmt
9040 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9041 \bidi@ensure@newcommand{\@ninecolLTRfootfmt}[1]{%
9042 \@preamninefmt
9043 {\footfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9044 \bidi@ensure@newcommand{\@ninecolRTLfootfmt}[1]{%
9045 \@preamninefmt
9046 {\footfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9047 \bidi@ensure@newcommand{\@mpninecolfootnotetext}[1]{%
9048 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9049   \unvbox\@mpfootinsv@r
9050   \def\baselinestretch{\m@m@footnote@spacing}%
9051   \reset@font\foottextfont
9052   \hsize\columnwidth \@parboxrestore
9053   \protected@edef\@currentlabel{%

```



```

9054      \csname p@mpfootnote\endcsname\@thefnmark}%
9055      \color@begingroup
9056      \@ninecolfootfmt{#1}%
9057      \color@endgroup}%
9058      \m@mmf@prepare}
9059 \bidi@ensure@newcommand{\@mpninecolLTRfootnotetext}[1]{%
9060   \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
9061     \unvbox\@mpfootinsv@r
9062     \def\baselinestretch{\m@m@footnote@spacing}%
9063     \reset@font\LTRfoottextfont
9064     \hsize\columnwidth \@parboxrestore
9065     \if@RTLcolumnfootnotes\beginL\fi
9066     \protected@edef\@currentlabel{%
9067       \csname p@mpfootnote\endcsname\@thefnmark}%
9068     \color@begingroup
9069     \@ninecolLTRfootfmt{#1}%
9070     \color@endgroup}%
9071     \m@mmf@prepare}
9072 \bidi@ensure@newcommand{\@mpninecolRTLfootnotetext}[1]{%
9073   \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
9074     \unvbox\@mpfootinsv@r
9075     \def\baselinestretch{\m@m@footnote@spacing}%
9076     \reset@font\RTLfoottextfont
9077     \hsize\columnwidth \@parboxrestore
9078     \protected@edef\@currentlabel{%
9079       \csname p@mpfootnote\endcsname\@thefnmark}%
9080     \color@begingroup
9081     \@ninecolRTLfootfmt{#1}%
9082     \color@endgroup}%
9083     \m@mmf@prepare}
9084 \bidi@ensure@newcommand{\@ninecolumnfootstyle}[1]{%
9085   \m@make@ninecolfootnotetext{#1}%
9086   \m@make@mpninecolfootnotetext{#1}%
9087   \m@make@ninecolfootfmt{#1}%
9088   \m@make@ninecol@footgroup{#1}%
9089   \m@make@mpninecol@footgroup{#1}%
9090   \m@make@footstart{#1}%
9091   \bidi@namelongdef{\@footnotetext#1}##1{%
9092     \@nameuse{\@ninecolfootnotetext#1}{##1}}%
9093   \bidi@namelongdef{\@mpfootnotetext#1}##1{%
9094     \@nameuse{\@mpninecolfootnotetext#1}{##1}}%
9095   \@namedef{\@footgroup#1}{\@nameuse{\@ninecol@footgroup#1}}%
9096   \@namedef{\mp@footgroup#1}{\@nameuse{\@mpninecol@footgroup#1}}%
9097   \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
9098   \expandafter\count\csname footins#1\endcsname=500\relax}
9099 \bidi@ensure@newcommand{\m@make@ninecolfootnotetext}[1]{%
9100   \bidi@namelongdef{\@ninecolfootnotetext#1}##1{%
9101     \insert\@nameuse{footins#1}{%
9102       \def\baselinestretch{\m@m@footnote@spacing}%
9103       \reset@font\@nameuse{foottextfont#1}%

```



```

g104 \preamfntext
g105 \protected@edef\currentlabel{%
g106 \csname p@footnote#1\endcsname \nameuse{@thefnmark#1}}%
g107 \color@begingroup
g108 \nameuse{@ninecolfootfmt#1}{##1}%
g109 \color@endgroup}%
g110 \m@mfm@prepare}}
g111 \bidi@ensure@newcommand{\m@make@mpninecolfootnotetext}[1]{%
g112 \bidi@namelongdef{\mpninecolfootnotetext#1}##1{%
g113 \global\setbox\@nameuse{\mpfootins#1}\vbox{%
g114 \unvbox\@nameuse{\mpfootins#1}
g115 \def\baselinestretch{\m@m@footnote@spacing}%
g116 \reset@font\@nameuse{foottextfont#1}%
g117 \hsize\columnwidth \@parboxrestore
g118 \protected@edef\currentlabel{%
g119 \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
g120 \color@begingroup
g121 \nameuse{@ninecolfootfmt#1}{##1}%
g122 \color@endgroup}\m@mfm@prepare}}
g123 \bidi@ensure@newcommand{\m@make@ninecolfootfmt}[1]{%
g124 \namedef{@ninecolfootfmt#1}##1{%
g125 \preamninefmt
g126 {\@nameuse{footfootmark#1}\strut
g127 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
g128 \bidi@ensure@newcommand{\m@make@ninecol@footgroup}[1]{%
g129 \namedef{@ninecol@footgroup#1}{%
g130 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
g131 \m@r@rigidbalance{\@nameuse{footins#1}}{9}{\splittopskip}}}}
g132 \bidi@ensure@newcommand{\m@make@mpninecol@footgroup}[1]{%
g133 \namedef{@mpninecol@footgroup#1}{%
g134 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
g135 \m@r@rigidbalance{\@nameuse{\mpfootins#1}}{9}{\splittopskip}}}}
g136 \bidi@ensure@newcommand{\tencolumnfootnotes}{%
g137 \namedef{foottextfontv@r}{\foottextfont}% % [RS]
g138 \let\@footnotetext\@tencolfootnotetext
g139 \let\@LTRfootnotetext\@tencolLTRfootnotetext
g140 \let\@RTLfootnotetext\@tencolRTLfootnotetext
g141 \dimen\footinsv@r=10\footinsdim
g142 \count\footinsv@r=100\relax
g143 \m@make@tencol@footgroup{v@r}%
g144 \let\@footgroupv@r\@tencol@footgroupv@r
g145 \let\@mpfootnotetext\@mptencolfootnotetext
g146 \let\@mpLTRfootnotetext\@mptencolLTRfootnotetext
g147 \let\@mpRTLfootnotetext\@mptencolRTLfootnotetext
g148 \m@make@mptencol@footgroup{v@r}%
g149 \let\@mp@footgroupv@r\@mptencol@footgroupv@r}
g150 \bidi@ensure@newcommand{\@tencolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue
g151 \def\baselinestretch{\m@m@footnote@spacing}%
g152 \reset@font\foottextfont
g153 \preamfntext

```



```

9154 \protected@edef\@currentlabel{%
9155     \csname p@footnote\endcsname\@thefnmark}%
9156 \color@begingroup
9157     \@tencolfootfmt{#1}%
9158 \color@endgroup}%
9159 \m@mmf@prepare}
9160 \bidi@ensure@newcommand{\@tencolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes
9161 \def\baselinestretch{\m@m@footnote@spacing}%
9162 \reset@font\LTRfoottextfont
9163 \@preamfntext
9164 \protected@edef\@currentlabel{%
9165     \csname p@footnote\endcsname\@thefnmark}%
9166 \color@begingroup
9167     \@tencolLTRfootfmt{#1}%
9168 \color@endgroup}%
9169 \m@mmf@prepare}
9170 \bidi@ensure@newcommand{\@tencolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9171 \def\baselinestretch{\m@m@footnote@spacing}%
9172 \reset@font\RTLfoottextfont
9173 \@preamfntext
9174 \protected@edef\@currentlabel{%
9175     \csname p@footnote\endcsname\@thefnmark}%
9176 \color@begingroup
9177     \@tencolRTLfootfmt{#1}%
9178 \color@endgroup}%
9179 \m@mmf@prepare}
9180 \bidi@ensure@newcommand{\@preamtenfmt}{%
9181 \hsize .1\hsize
9182 \parindent=\z@
9183 \tolerance=5000\relax
9184 \leavevmode}
9185 \bidi@ensure@newcommand{\@tencolfootfmt}[1]{%
9186 \@preamtenfmt
9187 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9188 \bidi@ensure@newcommand{\@tencolLTRfootfmt}[1]{%
9189 \@preamtenfmt
9190 {\footfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9191 \bidi@ensure@newcommand{\@tencolRTLfootfmt}[1]{%
9192 \@preamtenfmt
9193 {\footfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9194 \bidi@ensure@newcommand{\@mptencolfootnotetext}[1]{%
9195 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9196 \unvbox\@mpfootinsv@r
9197 \def\baselinestretch{\m@m@footnote@spacing}%
9198 \reset@font\foottextfont
9199 \hsize\columnwidth \@parboxrestore
9200 \protected@edef\@currentlabel{%
9201     \csname p@mpfootnote\endcsname\@thefnmark}%
9202 \color@begingroup
9203     \@tencolfootfmt{#1}%

```



```

9204 \color@endgroup}%
9205 \m@mmf@prepare}
9206 \bidi@ensure@newcommand{\@mptencolLTRfootnotetext}[1]{%
9207 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
9208 \unvbox\@mpfootinsv@r
9209 \def\baselinestretch{\m@m@footnote@spacing}%
9210 \reset@font\LTRfoottextfont
9211 \hsize\columnwidth \@parboxrestore
9212 \if@RTLcolumnfootnotes\beginL\fi
9213 \protected@edef\@currentlabel{%
9214 \csname p@mpfootnote\endcsname\@thefnmark}%
9215 \color@begingroup
9216 \@tencolLTRfootfmt{#1}%
9217 \color@endgroup}%
9218 \m@mmf@prepare}
9219 \bidi@ensure@newcommand{\@mptencolRTLfootnotetext}[1]{%
9220 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
9221 \unvbox\@mpfootinsv@r
9222 \def\baselinestretch{\m@m@footnote@spacing}%
9223 \reset@font\RTLfoottextfont
9224 \hsize\columnwidth \@parboxrestore
9225 \protected@edef\@currentlabel{%
9226 \csname p@mpfootnote\endcsname\@thefnmark}%
9227 \color@begingroup
9228 \@tencolRTLfootfmt{#1}%
9229 \color@endgroup}%
9230 \m@mmf@prepare}
9231 \bidi@ensure@newcommand{\tencolumnfootstyle}[1]{%
9232 \m@make@tencolfootnotetext{#1}%
9233 \m@make@mptencolfootnotetext{#1}%
9234 \m@make@tencolfootfmt{#1}%
9235 \m@make@tencol@footgroup{#1}%
9236 \m@make@mptencol@footgroup{#1}%
9237 \m@make@footstart{#1}%
9238 \bidi@namelongdef{\footnotetext#1}##1{%
9239 \@nameuse{@tencolfootnotetext#1}{##1}}%
9240 \bidi@namelongdef{\mpfootnotetext#1}##1{%
9241 \@nameuse{@mptencolfootnotetext#1}{##1}}%
9242 \@namedef{@footgroup#1}{\@nameuse{@tencol@footgroup#1}}%
9243 \@namedef{\mp@footgroup#1}{\@nameuse{@mptencol@footgroup#1}}%
9244 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
9245 \expandafter\count\csname footins#1\endcsname=500\relax}
9246 \bidi@ensure@newcommand{\m@make@tencolfootnotetext}[1]{%
9247 \bidi@namelongdef{@tencolfootnotetext#1}##1{%
9248 \insert\@nameuse{footins#1}{%
9249 \def\baselinestretch{\m@m@footnote@spacing}%
9250 \reset@font\@nameuse{foottextfont#1}%
9251 \@preamfntext
9252 \protected@edef\@currentlabel{%
9253 \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%

```




```

9254 \color@begingroup
9255 \nameuse{@tencolfootfmt#1}{##1}%
9256 \color@endgroup}%
9257 \m@mmf@prepare}}
9258 \bidi@ensure@newcommand{\m@make@mptencolfootnotetext}[1]{%
9259 \bidi@namelongdef{@mptencolfootnotetext#1}##1{%
9260 \global\setbox\nameuse{@mpfootins#1}\vbox{%
9261 \unvbox\nameuse{@mpfootins#1}
9262 \def\baselinestretch{\m@m@footnote@spacing}%
9263 \reset@font\nameuse{foottextfont#1}%
9264 \hsize\columnwidth \@parboxrestore
9265 \protected@edef\currentlabel{%
9266 \csname p@mpfootnote#1\endcsname\nameuse{@thefnmark#1}}%
9267 \color@begingroup
9268 \nameuse{@tencolfootfmt#1}{##1}%
9269 \color@endgroup}\m@mmf@prepare}}
9270 \bidi@ensure@newcommand{\m@make@tencolfootfmt}[1]{%
9271 \namedef{@tencolfootfmt#1}##1{%
9272 \@preamtenfmt
9273 {\nameuse{footfootmark#1}\strut
9274 {\nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
9275 \bidi@ensure@newcommand{\m@make@tencol@footgroup}[1]{%
9276 \namedef{@tencol@footgroup#1}{%
9277 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9278 \m@r@rigidbalance{\nameuse{footins#1}}{10}{\splittopskip}}}%
9279 \bidi@ensure@newcommand{\m@make@mptencol@footgroup}[1]{%
9280 \namedef{@mptencol@footgroup#1}{%
9281 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9282 \m@r@rigidbalance{\nameuse{@mpfootins#1}}{10}{\splittopskip}}}%
9283 \bidi@ensure@newcommand{\m@munvxh}[1]{%
9284 \setbox0=\vbox{\unvbox#1%
9285 \global\setbox1=\lastbox}%
9286 \unhbox1
9287 \unskip
9288 \unskip
9289 \unpenalty
9290 \hskip\m@mipn@skip}
9291 \bidi@ensure@newcommand{\m@mungebox}{%
9292 \setbox0=\hbox{\m@munvxh0}%
9293 \dp0=\z@
9294 \ht0=\footfudgefactor\wd0
9295 \box0
9296 \penalty0}
9297 \newskip\m@mipn@skip
9298 \bidi@ensure@newcommand*{\m@minterparanoteglua}[1]{%
9299 {\foottextfont\global\m@mipn@skip=#1\relax}}
9300 \m@minterparanoteglua{1em plus.4em minus.4em}
9301 \ifpackageloaded{multicol}{%
9302 \bidi@ensure@newcommand*{\m@mmakehboxofhboxes}{%
9303 \if@parafootRTL\@RTLtrue\else\@RTLfalse\fi%

```



```

9304 \hsize\textwidth%
9305 \setbox0=\hbox{}%
9306 \loop
9307 \unpenalty
9308 \setbox2=\lastbox
9309 \ifhbox2
9310 \setbox0=\hbox{\box2\unhbox0}
9311 \repeat}
9312 }{%
9313 \bidi@ensure@newcommand*{\m@mmakehboxofhboxes}{%
9314 \if@parafootRTL\@RTLtrue\else\@RTLfalse\fi%
9315 \setbox0=\hbox{}%
9316 \loop
9317 \unpenalty
9318 \setbox2=\lastbox
9319 \ifhbox2
9320 \setbox0=\hbox{\box2\unhbox0}
9321 \repeat}}
9322 \bidi@ensure@newcommand*{\m@mremovehboxes}{\setbox0=\lastbox
9323 \ifhbox0{\m@mremovehboxes}\unhbox0 \fi}
9324 \bidi@ensure@newcommand*{\footfudgefiddle}{64}
9325 \bidi@ensure@newcommand{\paragraphfootnotes}{%
9326 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9327 \let\@footnotetext\@parafootnotetext
9328 \let\@LTRfootnotetext\@paraLTRfootnotetext
9329 \let\@RTLfootnotetext\@paraRTLfootnotetext
9330 \dimen\footinsv@r=\footinsdim
9331 \count\footinsv@r=1000\relax
9332 \m@make@para@footgroup{v@r}%
9333 \let\@footgroupv@r\@para@footgroupv@r
9334 \let\@mpfootnotetext\@mpparafootnotetext
9335 \let\@mpLTRfootnotetext\@mpparaLTRfootnotetext
9336 \let\@mpRTLfootnotetext\@mpparaRTLfootnotetext
9337 \m@make@mppara@footgroup{v@r}%
9338 \let\mp@footgroupv@r\@mppara@footgroupv@r
9339 {\foottextfont
9340 \dimen0=\baselineskip
9341 \multiply\dimen0 by 1024
9342 \divide\dimen0 by \hsize \multiply\dimen0 by \footfudgefiddle
9343 \xdef\footfudgefactor{\expandafter\strip@pt\dimen0 }}}
9344 \bidi@ensure@newcommand{\@parafootnotetext}[1]{\insert\footinsv@r{%
9345 \let\bidi@RTL@everypar\@empty%
9346 \def\baselinestretch{\m@m@footnote@spacing}%
9347 \reset@font\foottextfont
9348 \@preamfntext
9349 \protected@edef\@currentlabel{%
9350 \csname p@footnote\endcsname\@thefnmark}%
9351 \setbox0=\vbox{\hsize=\maxdimen
9352 \color@begingroup
9353 \noindent \@parafootfmt{\if@RTL@footnote\beginR\else\beginL\fi#1\if@RTL@footnote\endR\else

```



```

9354 \color@endgroup}%
9355 \m@mungebox}\m@mmf@prepare}
9356 \bidi@ensure@newcommand{\@paraLTRfootnotetext}[1]{\insert\footinsv@r{%
9357 \let\bidi@RTL@everypar\@empty%
9358 \def\baselinestretch{\m@m@footnote@spacing}%
9359 \reset@font\LTRfoottextfont
9360 \@preamfntext
9361 \protected@edef\@currentlabel{%
9362 \csname p@footnote\endcsname\@thefnmark}%
9363 \setbox0=\vbox{\hsize=\maxdimen
9364 \color@begingroup
9365 \noindent \@paraLTRfootfmt{\beginL#1\endL}%
9366 \color@endgroup}%
9367 \m@mungebox}\m@mmf@prepare}
9368 \bidi@ensure@newcommand{\@paraRTLfootnotetext}[1]{\insert\footinsv@r{%
9369 \let\bidi@RTL@everypar\@empty%
9370 \def\baselinestretch{\m@m@footnote@spacing}%
9371 \reset@font\RTLfoottextfont
9372 \@preamfntext
9373 \protected@edef\@currentlabel{%
9374 \csname p@footnote\endcsname\@thefnmark}%
9375 \setbox0=\vbox{\hsize=\maxdimen
9376 \color@begingroup
9377 \noindent \@paraRTLfootfmt{\beginR#1\endR}%
9378 \color@endgroup}%
9379 \m@mungebox}\m@mmf@prepare}
9380 \bidi@ensure@newcommand{\@parafootfmt}[1]{%
9381 \parindent=\z@
9382 \parfillskip=Opt \@plus 1fil
9383 {\footfootmark\strut {\foottextfont #1}\penalty-10}}
9384 \bidi@ensure@newcommand{\@paraLTRfootfmt}[1]{%
9385 \parindent=\z@
9386 \parfillskip=Opt \@plus 1fil
9387 {\footfootmark\strut {\LTRfoottextfont #1}\penalty-10}}
9388 \bidi@ensure@newcommand{\@paraRTLfootfmt}[1]{%
9389 \parindent=\z@
9390 \parfillskip=Opt \@plus 1fil
9391 {\footfootmark\strut {\RTLfoottextfont #1}\penalty-10}}
9392 \bidi@ensure@newcommand{\@mpparafootnotetext}[1]{%
9393 \global\setbox\@mpfootinsv@r\vbox{%
9394 \let\bidi@RTL@everypar\@empty%
9395 \unvbox\@mpfootinsv@r
9396 \def\baselinestretch{\m@m@footnote@spacing}%
9397 \reset@font\foottextfont
9398 \hsize\columnwidth \@parboxrestore
9399 \protected@edef\@currentlabel{%
9400 \csname p@mpfootnote\endcsname\@thefnmark}%
9401 \setbox0=\vbox{\hsize=\maxdimen
9402 \color@begingroup
9403 \noindent \@parafootfmt{\if@RTL@footnote\beginR\else\beginL\fi#1\if@RTL@footnote\endR\else

```



```

9404 \color@endgroup}%
9405 \m@mungebox}\m@mmf@prepare}
9406 \bidi@ensure@newcommand{\@mpparaLTRfootnotetext}[1]{%
9407 \global\setbox\@mpfootinsv@r\vbox{%
9408 \let\bidi@RTL@everypar\@empty%
9409 \unvbox\@mpfootinsv@r
9410 \def\baselinestretch{\m@m@footnote@spacing}%
9411 \reset@font\LTRfoottextfont
9412 \hsize\columnwidth \@parboxrestore
9413 \protected@edef\@currentlabel{%
9414 \csname p@mpfootnote\endcsname\@thefnmark}%
9415 \setbox0=\vbox{\hsize=\maxdimen
9416 \color@begingroup
9417 \noindent \@paraLTRfootfmt{\beginL#1\endL}%
9418 \color@endgroup}%
9419 \m@mungebox}\m@mmf@prepare}
9420 \bidi@ensure@newcommand{\@mpparaRTLfootnotetext}[1]{%
9421 \global\setbox\@mpfootinsv@r\vbox{%
9422 \let\bidi@RTL@everypar\@empty%
9423 \unvbox\@mpfootinsv@r
9424 \def\baselinestretch{\m@m@footnote@spacing}%
9425 \reset@font\RTLfoottextfont
9426 \hsize\columnwidth \@parboxrestore
9427 \protected@edef\@currentlabel{%
9428 \csname p@mpfootnote\endcsname\@thefnmark}%
9429 \setbox0=\vbox{\hsize=\maxdimen
9430 \color@begingroup
9431 \noindent \@paraRTLfootfmt{\beginR#1\endR}%
9432 \color@endgroup}%
9433 \m@mungebox}\m@mmf@prepare}
9434 \bidi@ensure@newcommand{\paragraphfootstyle}[1]{%
9435 \m@make@parafootnotetext{#1}%
9436 \m@make@mpparafootnotetext{#1}%
9437 \m@make@parafootfmt{#1}%
9438 \m@make@para@footgroup{#1}%
9439 \m@make@mppara@footgroup{#1}%
9440 \m@make@para@footstart{#1}%
9441 \bidi@namelongdef{\@footnotetext#1}##1{%
9442 \@nameuse{\@parafootnotetext#1}{##1}}%
9443 \bidi@namelongdef{\@mpfootnotetext#1}##1{%
9444 \@nameuse{\@mpparafootnotetext#1}{##1}}%
9445 \@namedef{\@footgroup#1}{\@nameuse{\@para@footgroup#1}}%
9446 \@namedef{\@mp@footgroup#1}{\@nameuse{\@mppara@footgroup#1}}%
9447 \@namedef{\@footstart#1}{\@nameuse{\@para@footstart#1}}%
9448 \expandafter\dimen\csname footins#1\endcsname=\footinsdim
9449 \expandafter\count\csname footins#1\endcsname=1000\relax
9450 {\@nameuse{\foottextfont#1}%
9451 \dimen0=\baselineskip
9452 \multiply\dimen0 by 1024
9453 \divide\dimen0 by \hsize \multiply\dimen0 by 64

```



```

9454 \xdef\footfudgefactor{\expandafter\strip@pt\dimen0 }}}
9455 \bidi@ensure@newcommand{\m@make@parafootnotetext}[1]{%
9456 \bidi@namelongdef{@parafootnotetext#1}##1{%
9457 \insert\@nameuse{footins#1}{
9458 \def\baselinestretch{\m@m@footnote@spacing}%
9459 \reset@font\@nameuse{foottextfont#1}%
9460 \@preamfntext
9461 \protected@edef\@currentlabel{%
9462 \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
9463 \setbox0=\vbox{\hsize=\maxdimen
9464 \color@begingroup
9465 \noindent \@nameuse{@parafootfmt#1}{##1}%
9466 \color@endgroup}%
9467 \m@mungebox}\m@mmf@prepare}}
9468 \bidi@ensure@newcommand{\m@make@mpparafootnotetext}[1]{%
9469 \bidi@namelongdef{@mpparafootnotetext#1}##1{%
9470 \global\setbox\@nameuse{@mpfootins#1}\vbox{%
9471 \unvbox\@nameuse{@mpfootins#1}
9472 \def\baselinestretch{\m@m@footnote@spacing}%
9473 \reset@font\@nameuse{foottextfont#1}%
9474 \hsize\columnwidth \@parboxrestore
9475 \protected@edef\@currentlabel{%
9476 \csname p@mpfootnote#1\endcsname \@nameuse{@thefnmark#1}}%
9477 \setbox0=\vbox{\hsize=\maxdimen
9478 \color@begingroup
9479 \noindent \@nameuse{@parafootfmt#1}{##1}%
9480 \color@endgroup}%
9481 \m@mungebox}\m@mmf@prepare}}
9482 \bidi@ensure@newcommand{\m@make@parafootfmt}[1]{%
9483 \bidi@namelongdef{@parafootfmt#1}##1{%
9484 \parindent=\z@
9485 \parfillskip=0pt \@plus 1fil
9486 {\@nameuse{footfootmark#1}\strut
9487 {\@nameuse{foottextfont#1}##1}\penalty-10}}}
9488 \bidi@ensure@newcommand{\m@make@para@footgroup}[1]{%
9489 \namedef{@para@footgroup#1}{%
9490 \unvbox\@nameuse{footins#1}
9491 \m@mmakehboxofhboxes
9492 \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
9493 \@nameuse{foottextfont#1}%
9494 \noindent\unhbox0\par}}
9495 \bidi@ensure@newcommand{\m@make@mppara@footgroup}[1]{%
9496 \namedef{@mppara@footgroup#1}{%
9497 \unvbox\@nameuse{@mpfootins#1}
9498 \m@mmakehboxofhboxes
9499 \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
9500 \@nameuse{foottextfont#1}%
9501 \noindent\unhbox0\par}}
9502 \bidi@ensure@newcommand{\m@make@para@footstart}[1]{%
9503 \namedef{@para@footstart#1}{%

```



```

9504 \vskip\bigskipamount
9505 \leftskip=\z@
9506 \rightskip=\z@
9507 \parindent=\z@
9508 \vskip\skip\@nameuse{footins#1}%
9509 \footnoterule}}
9510 \bidi@ensure@newcommand*{\m@m@makecolfloats}{%
9511 \xdef\@freelist{\@freelist\@midlist}%
9512 \global\let\@midlist\@empty
9513 \@combinefloats}
9514 \bidi@ensure@newcommand*{\m@m@makecoltext}{%
9515 \ifvbox\@kludgeins
9516 \@makespecialcolbox
9517 \else
9518 \setbox\@outputbox \vbox to\@colht{%
9519 \@texttop
9520 \dimen@ \dp\@outputbox
9521 \unvbox \@outputbox
9522 \vskip -\dimen@
9523 \@textbottom}%
9524 \fi}
9525 \bidi@ensure@newcommand*{\m@m@makecolintro}{%
9526 \bidi@ensure@newcommand*{\m@mopfootnote}{\setbox\@outputbox \vbox{%
9527 \boxmaxdepth\@maxdepth
9528 \@tempdima\dp\@cclv
9529 \unvbox\@cclv
9530 \vskip-\@tempdima
9531 \vskip \skip\footins
9532 \color@begingroup
9533 \normalcolor
9534 \footnoterule
9535 \unvbox \footins
9536 \color@endgroup}}
9537 \bidi@ensure@newcommand*{\m@mopsidebar}{%
9538 \ifvoid\sideins\else
9539 \setbox\@outputbox \vbox{%
9540 \sidecontents
9541 \unvbox\@outputbox}
9542 \fi}
9543 \gdef\mem@makecol{%
9544 \m@m@makecolintro
9545 \ifvoid\footins
9546 \setbox\@outputbox \box\@cclv
9547 \else
9548 \m@mopfootnote
9549 \fi
9550 \m@mdoextrafeet
9551 \m@m@makecolfloats
9552 \m@mopsidebar
9553 \m@m@makecoltext

```



```

9554 \global \maxdepth \@maxdepth}
9555 \bidi@ensure@newcommand{\feetabovelfloat}{\gdef\@makecol{\mem@makecol}}
9556 \feetabovelfloat%

```

7.55 extreport-xetex-bidi.def

```

9557 \ProvidesFile{extreport-xetex-bidi.def}[2015/11/14 v0.2 bidi adaptations for extreport class for
9558 \renewcommand*\l@part[2]{%
9559   \ifnum \c@tocdepth >-2\relax
9560     \addpenalty{-\@highpenalty}%
9561     \addvspace{2.25em \@plus\p@}%
9562     \begingroup
9563       \setlength\@tempdima{3em}%
9564       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9565       \parfillskip -\@pnumwidth
9566       {\leavevmode
9567         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
9568       \nobreak
9569       \global\@nobreaktrue
9570       \everypar{\global\@nobreakfalse\everypar{}}%
9571     \endgroup
9572   \fi}
9573 \renewcommand*\l@chapter[2]{%
9574   \ifnum \c@tocdepth >\m@ne
9575     \addpenalty{-\@highpenalty}%
9576     \vskip 1.0em \@plus\p@
9577     \setlength\@tempdima{1.5em}%
9578     \begingroup
9579       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9580       \parfillskip -\@pnumwidth
9581       \leavevmode \bfseries
9582       \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
9583       \hskip -\if@RTL\rightskip\else\leftskip\fi
9584       #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
9585       \penalty\@highpenalty
9586     \endgroup
9587   \fi}
9588 \def\@makechapterhead#1{%
9589   \vspace*{50\p@}%
9590   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
9591     \ifnum \c@secnumdepth >\m@ne
9592       \huge\bfseries \@chapapp\space \thechapter
9593       \par\nobreak
9594       \vskip 20\p@
9595     \fi
9596     \interlinepenalty\@M
9597     \Huge \bfseries #1\par\nobreak
9598     \vskip 40\p@
9599   }}
9600 \def\@makeschapterhead#1{%

```



```

g601 \vspace*{50\p@}%
g602 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
g603 \normalfont
g604 \interlinepenalty\@M
g605 \Huge \bfseries #1\par\nobreak
g606 \vskip 40\p@
g607 }}
g608 \renewcommand\left@footnoterule{%
g609 \kern-3\p@
g610 \hrule\@width.4\columnwidth
g611 \kern2.6\p@}
g612 \renewcommand\right@footnoterule{%
g613 \kern-3\p@
g614 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
g615 \kern2.6\p@}
g616 \renewenvironment{thebibliography}[1]
g617 {\chapter*{\bibname
g618 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
g619 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
g620 \list{\@biblabel{\@arabic\c@enumiv}}%
g621 {\settowidth\labelwidth{\@biblabel{#1}}%
g622 \leftmargin\labelwidth
g623 \advance\leftmargin\labelsep
g624 \@openbib@code
g625 \usecounter{enumiv}%
g626 \let\p@enumiv\@empty
g627 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
g628 \sloppy\clubpenalty4000\widowpenalty4000%
g629 \sfcode`.\@m}
g630 {\def\@noitemerr
g631 {\@latex@warning{Empty `thebibliography' environment}}%
g632 \endlist}
g633 \if@titlepage
g634 \renewcommand\maketitle{\begin{titlepage}%
g635 \let\footnotesize\small
g636 \let\right@footnoterule\relax
g637 \let\left@footnoterule\relax
g638 \let\textwidth\footnoterule\relax
g639 \let \footnote \thanks
g640 \null\vfil
g641 \vskip 60\p@
g642 \begin{center}%
g643 {\LARGE \@title \par}%
g644 \vskip 3em%
g645 {\large
g646 \lineskip .75em%
g647 \begin{tabular}[t]{c}%
g648 \@author
g649 \end{tabular}\par}%
g650 \vskip 1.5em%

```




```

9651     {\large \@date \par}%           % Set date in \large size.
9652 \end{center}\par
9653 \@thanks
9654 \vfil\null
9655 \end{titlepage}%
9656 \setcounter{footnote}{0}%
9657 \global\let\thanks\relax
9658 \global\let\maketitle\relax
9659 \global\let\@thanks\@empty
9660 \global\let\@author\@empty
9661 \global\let\@date\@empty
9662 \global\let\@title\@empty
9663 \global\let\title\relax
9664 \global\let\author\relax
9665 \global\let\date\relax
9666 \global\let\and\relax
9667 }
9668 \else
9669 \renewcommand\maketitle{\par
9670 \begingroup
9671   \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
9672   \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
9673   \long\def\@makefntext##1{\parindent 1em\noindent
9674     \hb@xt@1.8em{%
9675       \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
9676   \if@twocolumn
9677     \ifnum \col@number=\@ne
9678       \@maketitle
9679     \else
9680       \twocolumn[\@maketitle]%
9681     \fi
9682   \else
9683     \newpage
9684     \global\@topnum\z@   % Prevents figures from going at top of page.
9685     \@maketitle
9686   \fi
9687   \thispagestyle{plain}\@thanks
9688 \endgroup
9689 \setcounter{footnote}{0}%
9690 \global\let\thanks\relax
9691 \global\let\maketitle\relax
9692 \global\let\@maketitle\relax
9693 \global\let\@thanks\@empty
9694 \global\let\@author\@empty
9695 \global\let\@date\@empty
9696 \global\let\@title\@empty
9697 \global\let\title\relax
9698 \global\let\author\relax
9699 \global\let\date\relax
9700 \global\let\and\relax

```



```

9701 }
9702 \def\@maketitle{%
9703   \newpage
9704   \null
9705   \vskip 2em%
9706   \begin{center}%
9707     \let \footnote \thanks
9708     {\LARGE \@title \par}%
9709     \vskip 1.5em%
9710     {\large
9711       \lineskip .5em%
9712       \begin{tabular}[t]{c}%
9713         \@author
9714         \end{tabular}\par}%
9715     \vskip 1em%
9716     {\large \@date}%
9717   \end{center}%
9718   \par
9719   \vskip 1.5em}
9720 \fi
9721 \renewcommand\thesection    {\thechapter\@SepMark\@arabic\c@section}
9722 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
9723 \renewcommand\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
9724 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
9725 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
9726 \renewcommand\theequation{%
9727   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
9728 \renewcommand\thefigure{%
9729   \ifnum \c@chapter>\z@\thechapter\@SepMark\fi \@arabic\c@figure}
9730 \renewcommand\thetable{%
9731   \ifnum \c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}

```

7.56 fancybox-xetex-bidi.def

```

9732 \ProvidesFile{fancybox-xetex-bidi.def}[2013/05/01 v0.1 bidi adaptations for fancybox package for
9733 \def\fancy@oval#1#2#3{%
9734   \boxmaxdepth \maxdimen
9735   \@ovttrue \@ovbtrue \@ovltrue \@ovrtrue
9736   \@tfor\@tempa :=#3\do{\csname @ov\@tempa false\endcsname}%
9737   \@ovxx#1\relax
9738   \advance\@ovxx-\@wholewidth
9739   \@ovyy#2\relax
9740   \advance\@ovyy-\@wholewidth
9741   \@tempdimb \ifdim \@ovyy >\@ovxx \@ovxx \@ovxx\else \@ovyy \fi
9742   \advance\@tempdimb-2\p@
9743   \ifdim\@tempdimb>\the@cornersize\relax
9744     \@tempdimb=\the@cornersize
9745   \fi
9746   \@getcirc\@tempdimb
9747   \@ovro\ht\@tempboxa \@ovri\dp\@tempboxa

```



```

9748 \@ovdx\@ovxx \advance\@ovdx-\@tempdima \divide\@ovdx \tw@
9749 \@ovdy\@ovyy \advance\@ovdy-\@tempdima \divide\@ovdy \tw@
9750 \@circlefnt
9751 \setbox\@tempboxa\hbox{\beginL%
9752   \if@ovr \@ovvert32\kern -\@tempdima \fi
9753   \if@ovl \kern \@ovxx \@ovvert01\kern -\@tempdima \kern -\@ovxx \fi
9754   \if@ovt \@ovhorz \kern -\@ovxx \fi
9755   \if@ovb \raise \@ovyy \@ovhorz \fi\endL}%
9756 \advance\@ovdx\@ovro
9757 \advance\@ovdy\@ovro
9758 \advance\@ovxx\@wholewidth
9759 \wd\@tempboxa=\@ovxx
9760 \dp\@tempboxa=\z@}

```

7.57 fancyhdr-xetex-bidi.def

```

9761 \ProvidesFile{fancyhdr-xetex-bidi.def}[2012/04/18 v0.4 bidi adaptations for fancyhdr package for
9762 \let\fnch\everypar\everypar%
9763 \def\@fancyhead#1#2#3#4#5{\if@RTLmain\beginR\else\beginL\fi#1\if@RTLmain\endR\else\endL\fi\hb
9764   \@fancyvbox\headheight{\hbox
9765     {\rlap{\parbox[b]{\headwidth}{\bidi@raggedright\if@RTLmain\beginR\else\beginL\fi#2\if@RTLma
9766       \parbox[b]{\headwidth}{\centering\if@RTLmain\beginR\else\beginL\fi#3\if@RTLmain\endR\else
9767       \llap{\parbox[b]{\headwidth}{\bidi@raggedleft\if@RTLmain\beginR\else\beginL\fi#4\if@RTLma
9768 \def\@fancyfoot#1#2#3#4#5{\if@RTLmain\beginR\else\beginL\fi#1\if@RTLmain\endR\else\endL\fi\hb
9769   \@fancyvbox\footskip{\footrule
9770     \hbox{\rlap{\parbox[t]{\headwidth}{\bidi@raggedright\if@RTLmain\beginR\else\beginL\fi#2\if@RTLma
9771       \parbox[t]{\headwidth}{\centering\if@RTLmain\beginR\else\beginL\fi#3\if@RTLmain\endR\els
9772       \llap{\parbox[t]{\headwidth}{\bidi@raggedleft\if@RTLmain\beginR\else\beginL\fi#4\if@RTLma

```

7.58 fix2col-xetex-bidi.def

```

9773 \ProvidesFile{fix2col-xetex-bidi.def}[2013/04/10 v0.3 bidi adaptations for fix2col package for X
9774 \def\RTL@outputdblcol{%
9775   \if@firstcolumn
9776     \global\@firstcolumnfalse
9777     \global\setbox\@leftcolumn\copy\@outputbox
9778     \splitmaxdepth\maxdimen
9779     \vbadness\maxdimen
9780     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
9781     \toks@{\expandafter{\topmark}}%
9782     \xdef\@firstcoltopmark{\the\toks@}%
9783     \toks@\expandafter{\splitfirstmark}%
9784     \xdef\@firstcolfirstmark{\the\toks@}%
9785     \ifx\@firstcolfirstmark\@empty
9786       \global\let\@setmarks\relax
9787     \else
9788       \gdef\@setmarks{%
9789         \let\firstmark\@firstcolfirstmark
9790         \let\topmark\@firstcoltopmark}%
9791     \fi
9792 \else \global\@firstcolumntrue

```



```

9793 \setbox\@outputbox \vbox {\hbox to\textwidth {%
9794 \hskip \columnwidth
9795 \hfil \vrule width\columnseprule \hfil
9796 \hbox to\columnwidth {\box\@leftcolumn \hss}%
9797 \hskip -\textwidth
9798 \hbox to\columnwidth{\box\@outputbox \hss}%
9799 \hskip \columnsep
9800 \hskip \columnwidth }}%
9801 \@combinedblfloats \@setmarks \@outputpage
9802 \begingroup \@dblfloatplacement \@startdblcolumn
9803 \@whilesw\if@fcolmade \fi
9804 {\@outputpage \@startdblcolumn }\endgroup
9805 \fi}
9806 \def\LTR@outputdblcol{%
9807   \if@firstcolumn
9808     \global\@firstcolumnfalse
9809     \global\setbox\@leftcolumn\copy\@outputbox
9810     \splitmaxdepth\maxdimen
9811     \vbadness\maxdimen
9812     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
9813     \toks@\expandafter{\topmark}%
9814     \xdef\@firstcoltopmark{\the\toks@}%
9815     \toks@\expandafter{\splitfirstmark}%
9816     \xdef\@firstcolfirstmark{\the\toks@}%
9817     \ifx\@firstcolfirstmark\@empty
9818       \global\let\@setmarks\relax
9819     \else
9820       \gdef\@setmarks{%
9821         \let\firstmark\@firstcolfirstmark
9822         \let\topmark\@firstcoltopmark}%
9823     \fi
9824   \else
9825     \global\@firstcolumntrue
9826     \setbox\@outputbox\vbox{%
9827       \hb@xt@\textwidth{%
9828         \hb@xt@\columnwidth{\box\@leftcolumn \hss}%
9829         \hfil
9830         \vrule \@width\columnseprule
9831         \hfil
9832         \hb@xt@\columnwidth{\box\@outputbox \hss}}}%
9833   \@combinedblfloats
9834   \@setmarks
9835   \@outputpage
9836   \begingroup
9837     \@dblfloatplacement
9838     \@startdblcolumn
9839   \@whilesw\if@fcolmade \fi{\@outputpage\@startdblcolumn}%
9840   \endgroup
9841   \fi}

```



7.59 fleqn-xetex-bidi.def

```
9842 \ProvidesFile{fleqn-xetex-bidi.def}[2010/03/01 v0.1 bidi adaptations for fleqn tag for XeTeX eng
9843 \renewcommand\[\relax
9844     \ifmmode\@badmath
9845     \else
9846     \begin{trivlist}%
9847     \@beginparpenalty\predisplaypenalty
9848     \@endparpenalty\postdisplaypenalty
9849     \item[]\leavevmode
9850     \hb@xt@\linewidth\bgroup \beginL$\m@th\displaystyle %$
9851     \hskip\mathindent\bgroup
9852     \fi}
9853 \renewcommand\]{\relax
9854     \ifmmode
9855     \egroup $\hfil% $
9856     \endL\egroup
9857     \end{trivlist}%
9858     \else \@badmath
9859     \fi}
9860 \renewenvironment{equation}%
9861     {\@beginparpenalty\predisplaypenalty
9862     \@endparpenalty\postdisplaypenalty
9863     \refstepcounter{equation}%
9864     \trivlist \item[]\leavevmode
9865     \hb@xt@\linewidth\bgroup\beginL $\m@th% $
9866     \displaystyle
9867     \hskip\mathindent}%
9868     {$\hfil % $
9869     \displaywidth\linewidth\hbox{\@eqnnum}%
9870     \endL\egroup
9871     \endtrivlist}
```

7.60 float-xetex-bidi.def

```
9872 \ProvidesFile{float-xetex-bidi.def}[2013/04/04 v0.2 bidi adaptations for float package for XeTeX
9873 \renewcommand\floatc@plain[2]{\setbox\@tempboxa\hbox{\@fs@cfont #1:} #2}%
9874 \ifdim\wd\@tempboxa>\hsize {\@fs@cfont #1:} #2\par
9875 \else\hbox to\hsize{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}\fi}
9876 \def\float@newx#1[#2]{\@ifundefined{c#1}{\newcounter{#1}[#2]%
9877     \expandafter\edef\csname the#1\endcsname{%
9878     \expandafter\noexpand\csname
9879     the#2\endcsname\@SepMark\noexpand\arabic{#1}}}%
9880     {\PackageWarning{float}{Can't redefine counter variable for #1.}}}
```

7.61 floatrow-xetex-bidi.def

```
9881 \ProvidesFile{floatrow-xetex-bidi.def}[2013/04/08 v0.1 bidi adaptations for floatrow package for
9882 \renewcommand\flnew@within[1]{\@addtoreset{FB@captype}{#1}%
9883     \expandafter\edef\csname theFB@captype\endcsname{%
9884     \expandafter\noexpand\csname
9885     the#1\endcsname\@SepMark\noexpand\arabic{FB@captype}}}
```



7.62 flowfram-xetex-bidi.def

```
9886 \ProvidesFile{flowfram-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for flowfram package for
9887 \def\@outputdblcol{%
9888 \@nxtcol=\c@thisframe
9889 \c@curpg=\c@page
9890 \g@tnextcol{\@nxtcol}%
9891 \iff@nwpg % next flow frame starts on new page
9892 \global\@firstcolumntrue
9893 \setcolbox\c@thisframe
9894 \iff@specialpage
9895 \global\@specialpagefalse
9896 \nameuse{ps@\@specialstyle}\relax
9897 \fi
9898 \iff@twoside
9899 \ifodd\count\z@
9900 \let\@thehead\@oddhead
9901 \let\@thefoot\@oddfoot
9902 \else
9903 \let\@thehead\@evenhead
9904 \let\@thefoot\@evenfoot
9905 \fi
9906 \else
9907 \let\@thehead\@oddhead
9908 \let\@thefoot\@oddfoot
9909 \fi
9910 \@begindvi
9911 \dodynamicthehead\dodynamicthefoot
9912 \vbadness=\@M
9913 \setbox\@outputbox\vbox{\hbox to \textwidth{\@ff@do@allframes}}%
9914 \@combinedblfloats
9915 \@outputpage
9916 \advance\c@curpg by -\c@page\relax
9917 \whiledo{\c@curpg>0}{\advance\c@curpg by -1\relax
9918 \setbox\@outputbox\vbox{\hbox to \textwidth{\@ff@do@allframes}}%
9919 \@outputpage}
9920 \begingroup
9921 \dblfloatplacement
9922 \startdblcolumn
9923 \whiles\iffcolmade\fi
9924 {\@outputpage \startdblcolumn }\endgroup
9925 \resetst@tics
9926 \resetdyn@mics
9927 \else % still on same page, save contents of box255
9928 \global\@firstcolumnfalse
9929 \setcolbox\c@thisframe
9930 \fi
9931 \global\c@thisframe=\@nxtcol
9932 \setcol{\c@thisframe}\relax
9933 \global\@colht\vsiz
```



```

9934 }
9935 \def\@outputpage{%
9936 \beginingroup
9937 \let\protect\noexpand
9938 \@resetactivechars
9939 \global\let\@@if@newlist@if@newlist
9940 \global\@newlistfalse\@parboxrestore
9941 \shipout\vbox{\set@typeset@protect
9942 \aftergroup
9943 \endgroup
9944 \aftergroup
9945 \set@typeset@protect
9946 \reset@font\normalsize\normalsfcodes
9947 \let\label@gobble
9948 \let\index@gobble
9949 \let\glossary@gobble
9950 \baselineskip\z@skip
9951 \lineskip\z@skip
9952 \lineskiplimit\z@
9953 \vskip\topmargin\moveright\@themargin
9954 \vbox{%
9955 \vskip\headheight
9956 \vskip\headsep
9957 \box\@outputbox
9958 }}%
9959 \global\let@if@newlist\@@if@newlist
9960 \stepcounter{page}%
9961 \setcounter{displayedframe}{0}%
9962 \let\firstmark\botmark}
9963
9964
9965 \newcommand*\bidi@s@tfftextcol{\ifthenelse{\equal{\ff@txtcol}{}}{ }{%
9966 \expandafter\bidicolor\ff@txtcol}}
9967
9968 \newcommand{\bidi@ff@box}[3]{\@ffbackground{\vbox to#2
9969 {\hb@xt@ #1{\hss{\bidi@s@tfftextcol #3}\hss}\vss\kern\z@}}}%
9970
9971
9972 \renewcommand*\{@docolbox}[1]{%
9973 \edef\ff@frametype{%
9974 \csname @ff@frametype@\romannumeral#1\endcsname}%
9975 \edef\ff@col{\csname @ff@col@\romannumeral#1\endcsname}%
9976 \edef\ff@txtcol{\csname @ff@txtcol@\romannumeral#1\endcsname}%
9977 \edef\ff@backcol{\csname @ff@backcol@\romannumeral#1\endcsname}%
9978 \@ff@setoffset{#1}%
9979 \rotateframe{\csname @ff@angle@\romannumeral#1\endcsname}{%
9980 \ifthenelse{\boolean{columnframe\romannumeral#1}}{ }{%
9981 \@ff@fbox{\csname colwidth\romannumeral#1\endcsname}%
9982 {\csname colheight\romannumeral#1\endcsname}{%
9983 \expandafter\box\csname column\romannumeral#1\endcsname}{%

```



```

9984 \csname\ff@frametype\endcsname}%
9985 }{%
9986 \bidi@ff@box{\csname colwidth\romannumeral#1\endcsname}%
9987 {\csname colheight\romannumeral#1\endcsname}{%
9988 \expandafter\box\csname column\romannumeral#1\endcsname}%
9989 }}
9990 \@ifclassloaded{book}{%
9991 \renewcommand\theequation
9992 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
9993 \renewcommand \thefigure
9994 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
9995 \renewcommand \thetable
9996 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
9997 \renewcommand \thechapter {\@arabic\c@chapter}
9998 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
9999 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
10000 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
10001 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
10002 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}}{}
10003 \@ifclassloaded{report}{%
10004 \renewcommand\theequation
10005 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
10006 \renewcommand \thefigure
10007 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
10008 \renewcommand \thetable
10009 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
10010 \renewcommand \thechapter {\@arabic\c@chapter}
10011 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
10012 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
10013 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
10014 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
10015 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}}{}
10016 \renewcommand{\rotateframe}[2]{\if@ttb@rotate
10017 \rotatebox{#1}{\if@RTL\beginL\fi#2\if@RTL\endL\fi}%
10018 \else
10019 #2\relax
10020 \fi}

```

7.63 footnote-xetex-bidi.def

```

10021 \ProvidesFile{footnote-xetex-bidi.def}[2015/11/14 v0.9 bidi footnote macros for XeTeX engine]
10022 \if@RTLmain\@RTL@footnotetrue\else\@RTL@footnotefalse\fi
10023 \newif\ifbidi@autofootnoterule
10024 \def\bidi@mpfootnoterule{\footnoterule}
10025 \newcounter{footdir@label}
10026 \renewcommand*{\thefootdir@label}{footdir@the\value{footdir@label}}
10027 \newcommand*{\footdir@write}{%
10028 \stepcounter{footdir@label}%
10029 \zref@labelbyprops{\thefootdir@label}{abspage}%
10030 }

```




```

10031 \newif\iffootdir@debug
10032 \newcommand*{\debugfootnotedirection}{\footdir@debugtrue}
10033 \newtoks\footdir@toks
10034 \newcommand*{\footdir@debug}[1]{%
10035   \iffootdir@debug
10036     \typeout{[footdir] #1}%
10037   \fi
10038 }
10039 \@ifpackagelater{zref-abspage}{2012/10/27}{%
10040   \newcommand*{\footdir@LeftRightElse}{%
10041     \ltx@ifundefined{footdir@the\value{zabspage}}{%
10042       \footdir@debug{abspage \the\value{zabspage}: else}%
10043       \ltx@thirdofthree
10044     }{%
10045       \if\csname footdir@\the\value{zabspage}\endcsname L%
10046         \footdir@debug{abspage \the\value{zabspage}: left}%
10047         \expandafter\ltx@firstofthree
10048       \else
10049         \footdir@debug{abspage \the\value{zabspage}: right}%
10050         \expandafter\ltx@secondofthree
10051       \fi
10052     }%
10053   }%
10054 }{%
10055   \providecommand*{\c@zabspage}{\c@abspage}%
10056   \newcommand*{\footdir@LeftRightElse}{%
10057     \footdir@write
10058     \zifrefundefined{\thefootdir@label}{%
10059       \footdir@debug{abspage ??: else}%
10060       \ltx@thirdofthree
10061     }{%
10062       \edef\footdir@abspage{%
10063         \zref@extractdefault{\thefootdir@label}{abspage}{0}%
10064       }%
10065       \ltx@ifundefined{footdir@\footdir@abspage}{%
10066         \footdir@debug{\footdir@abspage: else}%
10067         \ltx@thirdofthree
10068       }{%
10069         \if\csname footdir@\footdir@abspage\endcsname L%
10070           \footdir@debug{\footdir@abspage: left}%
10071           \expandafter\ltx@firstofthree
10072         \else
10073           \footdir@debug{\footdir@abspage: right}%
10074           \expandafter\ltx@secondofthree
10075         \fi
10076       }%
10077     }%
10078   }%
10079 }
10080 \newcommand*{\footdir@fntext}[1]{%

```



```

10081 \zifrefundefined{\thefootdir@label}{%
10082 }{%
10083 \edef\footdir@name{%
10084   footdir@\zref@extractdefault{\thefootdir@label}{abspage}{0}%
10085 }%
10086 \@ifundefined{\footdir@name}{%
10087   \expandafter\gdef\csname\footdir@name\endcsname{#1}%
10088 }{%
10089 }%
10090 }
10091
10092 \newcommand*{\footdir@temp}[3]{%
10093   \@ifdefinable{#1}{%
10094     \let#1#2%
10095     \renewcommand{#2}[1]{%
10096       \footdir@write
10097       \footdir@fntext{#3}%
10098       \stepcounter{footdir@label}%
10099       \footdir@fntext{#3}%
10100       \footdir@toks{##1}%
10101       \footdir@toks\expandafter{%
10102         \the\expandafter\footdir@toks
10103         \expandafter
10104         \zref@labelbyprops\expandafter{\thefootdir@label}{abspage}%
10105       }%
10106       \expandafter#1\expandafter{\the\footdir@toks}%
10107     }%
10108   }%
10109 }
10110
10111 \def\right@footnoterule{%
10112   \kern-3\p@
10113   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
10114   \kern2.6\p@}
10115 \def\left@footnoterule{\kern-3\p@
10116   \hrule \@width .4\columnwidth \kern 2.6\p@}
10117 \def\textwidth@footnoterule{\kern-3\p@
10118   \hrule \@width \columnwidth \kern 2.6\p@}
10119 \def\leftfootnoterule{%
10120   \bidi@autofootnoterulefalse%
10121   \def\footnoterule{\left@footnoterule}}
10122 \let\LRfootnoterule=\leftfootnoterule
10123 \def\rightfootnoterule{%
10124   \bidi@autofootnoterulefalse%
10125   \def\footnoterule{\right@footnoterule}}
10126 \def\textwidthfootnoterule{%
10127   \bidi@autofootnoterulefalse%
10128   \def\footnoterule{\textwidth@footnoterule}}
10129
10130

```



```

10131
10132 \def\auto@footnoterule{%
10133 \footdir@LeftRightElse%
10134 \left@footnoterule%
10135 \right@footnoterule%
10136 \left@footnoterule%
10137 }
10138
10139
10140
10141 \def\autofootnoterule{%
10142 \bidi@autofootnoteruletrue%
10143 \def\footnoterule{\auto@footnoterule}%
10144 }
10145
10146 \newcommand*\SplitFootnoteRule{%
10147 \gdef\split@prev{0}
10148 \let\pagefootnoterule\footnoterule
10149 \let\mpfootnoterule\footnoterule
10150 \def\splitfootnoterule{\kern-3\p@ \hrule \kern2.6\p@}
10151 \def\footnoterule{\relax
10152 \ifx \@listdepth\@mplistdepth
10153 \mpfootnoterule
10154 \else
10155 \ifnum\split@prev=\z@
10156 \pagefootnoterule
10157 \else
10158 \splitfootnoterule
10159 \fi
10160 \xdef\split@prev{\the\insertpenalties}%
10161 \fi
10162 }%
10163 }
10164
10165
10166
10167
10168 \def\RTLfootnote{\@ifnextchar[\@xRTLfootnote{\stepcounter\@mpfn
10169 \protected@xdef\@thefnmark{\thempfn}%
10170 \@footnotemark\@RTLfootnotetext}}
10171 \def\@xRTLfootnote[#1]{%
10172 \begingroup
10173 \csname c@\@mpfn\endcsname #1\relax
10174 \unrestored@protected@xdef\@thefnmark{\thempfn}%
10175 \endgroup
10176 \@footnotemark\@RTLfootnotetext}
10177 \def\LTRfootnote{\@ifnextchar[\@xLTRfootnote{\stepcounter\@mpfn
10178 \protected@xdef\@thefnmark{\thempfn}%
10179 \@footnotemark\@LTRfootnotetext}}
10180 \def\@xLTRfootnote[#1]{%

```



```

10181 \begingroup
10182   \csname c@\mpfn\endcsname #1\relax
10183   \unrestored@protected@xdef\@thefnmark{\thempfn}%
10184 \endgroup
10185 \@footnotemark\@LTRfootnotetext}
10186
10187
10188 \def\setfootnoteRL{\@RTLfootnotetrue}
10189 \def\unsetfootnoteRL{\@RTLfootnotefalse}
10190 \def\setfootnoteLR{\unsetfootnoteRL}
10191
10192 \long\def\@footnotetext#1{\insert\footins{%
10193   \if@RTLfootnote\@RTLtrue\else\@RTLfalse\fi%
10194   \reset@font\footnotesize
10195   \interlinepenalty\interfootnotelinepenalty
10196   \splittopskip\footnotesep
10197   \splitmaxdepth \dp\strutbox \floatingpenalty \MM
10198   \hsize\columnwidth \@parboxrestore
10199   \protected@edef\@currentlabel{%
10200     \csname p@footnote\endcsname\@thefnmark
10201   }%
10202   \color@begingroup
10203     \makefnfntext{%
10204       \rule{z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
10205     \color@endgroup}}}%
10206
10207
10208 \long\def\@RTLfootnotetext#1{\insert\footins{%
10209   \@RTLtrue%
10210   \reset@font\footnotesize
10211   \interlinepenalty\interfootnotelinepenalty
10212   \splittopskip\footnotesep
10213   \splitmaxdepth \dp\strutbox \floatingpenalty \MM
10214   \hsize\columnwidth \@parboxrestore
10215   \protected@edef\@currentlabel{%
10216     \csname p@footnote\endcsname\@thefnmark
10217   }%
10218   \color@begingroup
10219     \makefnfntext{%
10220       \rule{z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
10221     \color@endgroup}}}%
10222
10223 \long\def\@LTRfootnotetext#1{\insert\footins{%
10224   \@RTLfalse%
10225   \reset@font\footnotesize
10226   \interlinepenalty\interfootnotelinepenalty
10227   \splittopskip\footnotesep
10228   \splitmaxdepth \dp\strutbox \floatingpenalty \MM
10229   \hsize\columnwidth \@parboxrestore
10230   \protected@edef\@currentlabel{%

```



```

10231      \csname p@footnote\endcsname\@thefnmark
10232    }%
10233    \color@begingroup
10234      \@makefnmark{\
10235        \rule{z@footnotesep}{\ignorespaces#1\@finalstrut\strutbox}}%
10236    \color@endgroup}}%
10237
10238 \AtBeginDocument{%
10239 \if@RTL@footnote
10240   \newcommand*{\bidi@footdir@footnote}{R}
10241 \else
10242   \newcommand*{\bidi@footdir@footnote}{L}
10243 \fi%
10244 }
10245
10246 \footdir@temp\footdir@ORG\bidi@footnotetext\@footnotetext{\bidi@footdir@footnote}%
10247 \footdir@temp\footdir@ORG\bidi@RTLfootnotetext\@RTLfootnotetext{R}%
10248 \footdir@temp\footdir@ORG\bidi@LTRfootnotetext\@LTRfootnotetext{L}%
10249
10250 \long\def\@mpRTLfootnotetext#1{%
10251   \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\right@footnoterule%
10252   \global\setbox\@mpfootins\vbox{\@RTLtrue%
10253     \unvbox\@mpfootins
10254     \reset@font\footnotesize
10255     \hsize\columnwidth
10256     \@parboxrestore
10257     \protected@edef\@currentlabel
10258       {\csname p@mpfootnote\endcsname\@thefnmark}%
10259     \color@begingroup
10260       \@makefnmark{\
10261         \rule{z@footnotesep}{\ignorespaces#1\@finalstrut\strutbox}}%
10262     \color@endgroup}}
10263 \long\def\@mpLTRfootnotetext#1{%
10264   \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\left@footnoterule%
10265   \global\setbox\@mpfootins\vbox{\@RTLfalse%
10266     \unvbox\@mpfootins
10267     \reset@font\footnotesize
10268     \hsize\columnwidth
10269     \@parboxrestore
10270     \protected@edef\@currentlabel
10271       {\csname p@mpfootnote\endcsname\@thefnmark}%
10272     \color@begingroup
10273       \@makefnmark{\
10274         \rule{z@footnotesep}{\ignorespaces#1\@finalstrut\strutbox}}%
10275     \color@endgroup}}
10276 \long\def\@mpfootnotetext#1{%
10277   \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\if@RTL@footnote\global\let\bidi@mpfootnoterule\right@footnoterule%
10278   \global\setbox\@mpfootins\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
10279     \unvbox\@mpfootins
10280     \reset@font\footnotesize

```



```

10281 \hsize\columnwidth
10282 \@parboxrestore
10283 \protected@edef\@currentlabel
10284     {\csname p@mpfootnote\endcsname\@thefnmark}%
10285 \color@begingroup
10286     \@makefnmark{\rule\z@{\footnotesep}\ignorespaces#1\@finalstrut\strutbox}%
10287 \color@endgroup}}
10288 \def\@iiminipage#1#2[#3]#4{%
10289     \leavevmode
10290     \@pboxswfalse
10291     \if@RTLtab\@bidi@list@minipage@parbox@not@nobtrue\fi
10292     \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\fi\fi
10293     \setlength\@tempdima{#4}%
10294     \def\@mpargs{#1}#2[#3]{#4}%
10295     \setbox\@tempboxa\vbox\bgroup
10296     \color@begingroup
10297     \hsize\@tempdima
10298     \textwidth\hsize \columnwidth\hsize
10299     \@parboxrestore
10300     \def\@mpfn{\mpfootnote}\def\thempfn{\thempfootnote}\c@mpfootnote\z@
10301     \let\@footnotetext\@mpfootnotetext
10302     \let\@LTRfootnotetext\@mpLTRfootnotetext
10303     \let\@RTLfootnotetext\@mpRTLfootnotetext
10304     \let\@listdepth\@mplistdepth \@mplistdepth\z@
10305     \@minipagerestore
10306     \@setminipage}
10307 \def\endminipage{%
10308     \par
10309     \unskip
10310     \ifvoid\@mpfootins\else
10311         \vskip\skip\@mpfootins
10312         \normalcolor
10313         \bidi@mpfootnoterule
10314         \unvbox\@mpfootins
10315     \fi
10316     \@minipagefalse %% added 24 May 89
10317 \color@endgroup
10318 \egroup
10319 \expandafter\@iiparbox\@mpargs{\unvbox\@tempboxa}}
10320 \def\LTRthanks#1{\footnotemark
10321 \protected@xdef\@thanks{\@thanks
10322 \protect\LTRfootnotetext[\the\c@footnote]{#1}}%
10323 }
10324 \def\LTRfootnotetext{%
10325     \ifnextchar [\@xLTRfootnotenext
10326     {\protected@xdef\@thefnmark{\thempfn}%
10327     \@LTRfootnotetext}}
10328 \def\@xLTRfootnotenext[#1]{%
10329     \begingroup

```



```

10331 \csname c@\mpfn\endcsname #1\relax
10332 \unrestored@protected@xdef\@thefnmark{\thempfn}%
10333 \endgroup
10334 \@LTRfootnotetext}
10335 \def\RTLthanks#1{\footnotemark
10336 \protected@xdef\@thanks{\@thanks
10337 \protect\RTLfootnotetext [\the\c@footnote]{#1}}%
10338 }
10339 \let\@thanks\@empty
10340 \def\RTLfootnotetext{%
10341 \ifnextchar [\@xRTLfootnotenext
10342 {\protected@xdef\@thefnmark{\thempfn}%
10343 \@RTLfootnotetext}}
10344 \def\@xRTLfootnotenext[#1]{%
10345 \begingroup
10346 \csname c@\mpfn\endcsname #1\relax
10347 \unrestored@protected@xdef\@thefnmark{\thempfn}%
10348 \endgroup
10349 \@RTLfootnotetext}
10350 \leftfootnoterule

```

7.64 framed-xetex-bidi.def

```

10351 \ProvidesFile{framed-xetex-bidi.def}[2012/06/05 v0.3 bidi adaptations for framed package for XeT
10352 \renewcommand\TitleBarFrame[3][\begingroup
10353 \ifx\delimiter#1\delimiter
10354 \let\TF@conlab\@empty
10355 \else
10356 \def\TF@conlab{% continuation label
10357 \nointerlineskip
10358 \smash{\rlap{\kern\wd\@tempboxa\kern\fboxrule\kern\fboxsep #1}}}%
10359 \fi
10360 %\let\TF@savecolor\current@color
10361 \textcolor{TF@FrameColor}{%
10362 \CustomFBox
10363 {\TF@Title{#2}}{\TF@conlab}%
10364 \fboxrule\fboxrule\fboxrule\fboxrule
10365 %{\let\current@color\TF@savecolor\set@color #3}%
10366 {\normalcolor #3}%
10367 }\endgroup
10368 }
10369 \renewenvironment{titled-frame}[1]{%
10370 \def\FrameCommand{\fboxsep8pt\fboxrule2pt
10371 \TitleBarFrame{\textbf{#1}}}%
10372 \def\FirstFrameCommand{\fboxsep8pt\fboxrule2pt
10373 \TitleBarFrame[{\if@RTL\blacktriangleleft\else\blacktriangleright\fi$]{\textbf{#1}}}%
10374 \def\MidFrameCommand{\fboxsep8pt\fboxrule2pt
10375 \TitleBarFrame[{\if@RTL\blacktriangleleft\else\blacktriangleright\fi$]{\textbf{#1\ (cont)}}}
10376 \def\LastFrameCommand{\fboxsep8pt\fboxrule2pt
10377 \TitleBarFrame{\textbf{#1\ (cont)}}}%

```



```

10378 \MakeFramed{\advance\hsize-20pt \FrameRestore}}}%
10379 % note: 8 + 2 + 8 + 2 = 20. Don't use \width because the frame title
10380 % could interfere with the width measurement.
10381 {\endMakeFramed}
10382 \chardef\FrameRestore=\catcode`\| % for debug
10383 \catcode`\|=\catcode`\% % (debug: insert space after backslash)
10384 \def\fb@put@frame#1#2{\relax
10385 \ifdim\pagegoal=\maxdimen \pagegoal\vsiz \fi
10386 | \message{===== Entering putframe =====^~J
10387 | \pagegoal=\the\pagegoal, \pagetotal=\the\pagetotal. }%
10388 \ifinner
10389 \fb@putboxa#1%
10390 \fb@afterframe
10391 \else
10392 \dimen@\pagegoal \advance\dimen@-\pagetotal % natural space left on page
10393 \ifdim\dimen@<2\baselineskip % Too little room on page
10394 | \message{Page has only \the\dimen@\space room left; eject. }%
10395 \eject \fb@adjheight \fb@put@frame#1#2%
10396 \else % there's appreciable room left on the page
10397 \fb@sizeofframe#1%
10398 | \message{\string\pagetotal=\the\pagetotal,
10399 | \string\pagegoal=\the\pagegoal,
10400 | \string\pagestretch=\the\pagestretch,
10401 | \string\pageshrink=\the\pageshrink,
10402 | \string\fb@frh=\the\fb@frh. \space}
10403 | \message{^^JBox of size \the\ht\@tempboxa\space}%
10404 | \begingroup % temporarily set \dimen@ to be...
10405 \advance\dimen@.8\pageshrink % maximum space available on page
10406 \advance\dimen@-\fb@frh\relax % max space available for frame's contents
10407 %%% LOOKS SUBTRACTED AND ADDED, SO DOUBLE ACCOUNTING!
10408 \expandafter\endgroup
10409 % expand \ifdim, then restore \dimen@ to real room left on page
10410 \ifdim\dimen@>\ht\@tempboxa % whole box does fit
10411 | \message{fits in \the\dimen@. }%
10412 % ToDo: Change this to use vsplit anyway to capture the marks
10413 % MERGE THIS WITH THE else CLAUSE!!!
10414 \fb@putboxa#1%
10415 \fb@afterframe
10416 \else % box must be split
10417 | \message{must be split to fit in \the\dimen@. }%
10418 % update frame measurement to use \FirstFrameCommand or \MidFrameCommand
10419 \fb@sizeofframe#2%
10420 \setbox\@tempboxa\vbox{% simulate frame and flexibility of the page:
10421 \vskip \fb@frh \@plus\pagestretch \@minus.8\pageshrink
10422 \kern137sp\kern-137sp\penalty-30
10423 \unvbox\@tempboxa}%
10424 \edef\fb@resto@set{\boxmaxdepth\the\boxmaxdepth
10425 \splittopskip\the\splittopskip}%
10426 \boxmaxdepth\z@ \splittopskip\z@
10427 | \message{^^JPadded box of size \the\ht\@tempboxa\space split to \the\dimen@}%

```




```

10428      % Split box here
10429      \setbox\tw@\vsplit\@tempboxa to\dimen@
10430 |      \toks99\expandafter{\splitfirstmark}%
10431 |      \toks98\expandafter{\splitbotmark}%
10432 |      \message{Marks are: \the\toks99, \the\toks98. }%
10433      \setbox\tw@\vbox{\unvbox\tw@}% natural-sized
10434 |      \message{Natural height of split box is \the\ht\tw@, leaving
10435 |          \the\ht\@tempboxa\space remainder. }%
10436      % If the split-to size > (\vsize-\topskip), then set box to full size.
10437      \begingroup
10438      \advance\dimen@-\topskip
10439      \expandafter\endgroup
10440      \ifdim\dimen@>\pagegoal
10441 |          \message{Frame is big -- Use up the full column. }%
10442          \dimen@ii\pagegoal
10443          \advance\dimen@ii -\topskip
10444          \advance\dimen@ii \FrameHeightAdjust\relax
10445      \else % suspect this is implemented incorrectly:
10446      % If the split-to size > feasible room_on_page, rebox it smaller.
10447          \advance\dimen@.8\pageshrink
10448          \ifdim\ht\tw@>\dimen@
10449 |              \message{Box too tall; rebox it to \the\dimen@. }%
10450              \dimen@ii\dimen@
10451              \else % use natural size
10452                  \dimen@ii\ht\tw@
10453              \fi
10454          \fi
10455      % Re-box contents to desired size \dimen@ii
10456      \advance\dimen@ii -\fb@frh
10457      \setbox\tw@\vbox to\dimen@ii \bgroup
10458      % remove simulated frame and page flexibility:
10459      \vskip -\fb@frh \@plus-\pagestretch \@minus-.8\pageshrink
10460      \unvbox\tw@ \unpenalty\unpenalty
10461      \ifdim\lastkern=-137sp % whole box went to next page
10462 |          \message{box split at beginning! }%
10463          % need work here???
10464      \egroup \fb@resto@set \eject % (\vskip for frame size was discarded)
10465          \fb@adjheight
10466          \fb@put@frame#1#2% INSERTED ???
10467      \else % Got material split off at the head
10468          \egroup \fb@resto@set
10469          \ifvoid\@tempboxa % it all fit after all
10470 |              \message{box split at end! }%
10471              \setbox\@tempboxa\box\tw@
10472              \fb@putboxa#1%
10473              \fb@afterframe
10474          \else % it really did split
10475 |              \message{box split as expected. Its reboxed height is \the\ht\tw@. }%
10476              \ifdim\wd\tw@>\z@
10477                  \wd\tw@\wd\@tempboxa

```



```

10478         \centerline{#2{\hboxL{\box\tw@}}}% ??? \centerline bad idea
10479         \else
10480 |         \message{Zero width means likely blank. Don't frame it (guess)}%
10481         \box\tw@
10482         \fi
10483         \hrule \@height\z@ \@width\hsize
10484         \eject
10485         \fb@adjheight
10486         \fb@put@frame\LastFrameCommand\MidFrameCommand
10487     \fi\fi\fi\fi\fi
10488 }
10489 \def\fb@putboxa#1{%
10490     \ifvoid\@tempboxa
10491         \PackageWarning{framed}{Boxa is void -- discard it. }%
10492     \else
10493 |         \message{Frame and place boxa. }%
10494 |         %{\showoutput\showbox\@tempboxa}%
10495         \centerline{#1{\hboxL{\box\@tempboxa}}}%
10496     \fi
10497 }
10498 \catcode`\|=\FrameRestore
10499 \def\FrameRestore{%
10500     \let\if@nobreak\iffalse
10501     \let\if@noskipsec\iffalse
10502     \let\-\@dischypn
10503     \let'\@acci\let'\@accii\let\=\@acciii
10504     % \message{FrameRestore:
10505     %     \@totalleftmargin=\the \@totalleftmargin,
10506     %     \rightmargin=\the\rightmargin,
10507     %     \@listdepth=\the\@listdepth. }%
10508     % Test if we are in a list (or list-like paragraph)
10509     \ifnum \ifdim\@totalleftmargin>\z@ 1\fi
10510         \ifdim\rightmargin>\z@ 1\fi
10511         \ifnum\@listdepth>\z@ 1\fi 0>\z@
10512     %     \message{In a list: \linewidth=\the\linewidth, \@totalleftmargin=\the\@totalleftmargin,
10513     %     \parshape=\the\parshape, \columnwidth=\the\columnwidth, \hsize=\the\hsize,
10514     %         \labelwidth=\the\labelwidth. }%
10515     % \setminipage % snug fit around the item
10516     % Now try to propagate changes of width from \hsize to list parameters.
10517     % This is deficient, but a more advanced way to indicate modification to text
10518     % dimensions is not (yet) provided; in particular, no separate left/right
10519     % adjustment.
10520     \advance\linewidth-\columnwidth \advance\linewidth\hsize
10521     \parshape\@ne \@totalleftmargin \linewidth
10522 \else % Not in list
10523     \linewidth=\hsize
10524     %\message{No list, set \string\linewidth=\the\hsize. }%
10525 \fi
10526 \sloppy
10527 }

```



7.65 ftnright-xetex-bidi.def

```

10528 \ProvidesFile{ftnright-xetex-bidi.def}[2013/04/10 v0.3 bidi adaptations for ftnright package for
10529 \def\LTR@outputdblcol{\if@firstcolumn
10530   \global\@firstcolumnfalse
10531   \global\setbox\@leftcolumn\box\@outputbox
10532   \global\count\footins\@m
10533   \global\skip\footins\rcol@footinsskip
10534   \else \preparefootins
10535   \global\@firstcolumntrue
10536   \setbox\@outputbox\vbox{\hbox to\textwidth
10537     {\hbox to\columnwidth
10538       {\box\@leftcolumn\hss}}%
10539     \hfil\vrule\@width\columnseprule\hfil
10540     \hbox to\columnwidth
10541       {\box\@outputbox\hss}}}%
10542   \@combinedblfloats\@outputpage
10543   \begingroup
10544     \@dblfloatplacement\@startdblcolumn
10545     \@whilesw\if@fcolmade\fi
10546     {\@outputpage\@startdblcolumn}%
10547   \endgroup
10548   \fi}
10549 \def\RTL@outputdblcol{\if@firstcolumn
10550   \global\@firstcolumnfalse
10551   \global\setbox\@leftcolumn\box\@outputbox
10552   \global\count\footins\@m
10553   \global\skip\footins\rcol@footinsskip
10554   \else \preparefootins
10555   \global\@firstcolumntrue
10556   \setbox\@outputbox\vbox{\hbox to\textwidth
10557     {\hskip \columnwidth
10558       \hfil \vrule width\columnseprule \hfil
10559       \hbox to\columnwidth
10560         {\box\@leftcolumn\hss}}%
10561     \hskip -\textwidth
10562     \hbox to\columnwidth
10563       {\box\@outputbox\hss}
10564     \hskip \columnsep
10565     \hskip \columnwidth}}}%
10566   \@combinedblfloats\@outputpage
10567   \begingroup
10568     \@dblfloatplacement\@startdblcolumn
10569     \@whilesw\if@fcolmade\fi
10570     {\@outputpage\@startdblcolumn}%
10571   \endgroup
10572   \fi}
10573 \let\leftfootnoterule\@empty
10574 \let\rightfootnoterule\@empty
10575 \let\textwidthfootnoterule\@empty

```



```

10576 \let\autofootnoterule\@empty
10577 \let\footnoterule\@empty
10578 \long\def\@makefntext#1{\parindent 1em
10579   \noindent\hbox to 2em{}%
10580   \llap{\@thefnmark\hbox{.}\,\,\,}\#1}

```

7.66 graphicx-xetex-bidi.def

```

10581 \ProvidesFile{graphicx-xetex-bidi.def}[2012/01/01 v0.4 bidi adaptations for graphicx package for
10582 \def\Grot@box@std#1#2{\ifmmode\else\if@RTL\beginL\fi\fi%
10583   \Grot@setangle{#1}%
10584   \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi#2\if@RTL\endR\fi\else\if@RTL\beginR\fi#2\if@RTL\endR\fi}%
10585   \Grot@x\z@
10586   \Grot@y\z@
10587   \Grot@box\ifmmode\else\if@RTL\endL\fi\fi}
10588 \long\def\Gscale@box#1[#2]#3{\ifmmode\else\if@RTL\beginL\fi\fi%
10589   \leavevmode
10590   \def\Gscale@x{#1}\def\Gscale@y{#2}%
10591   \setbox\z@\hbox{\{#3\}}%
10592   \setbox\tw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
10593   \ifdim#2\p<\z@
10594     \ht\tw@-#2\dp\z@
10595     \dp\tw@-#2\ht\z@
10596   \else
10597     \ht\tw@#2\ht\z@
10598     \dp\tw@#2\dp\z@
10599   \fi
10600   \ifdim#1\p<\z@
10601     \hb@xt@-#1\wd\z@{\kern-#1\wd\z@\box\tw@\hss}%
10602   \else
10603     \wd\tw@#1\wd\z@
10604     \box\tw@
10605   \fi\ifmmode\else\if@RTL\endL\fi\fi}
10606 \def\Gin@iii[#1,#2][#3,#4]#5{%
10607   \begingroup
10608   \ifmmode\else\if@RTL\beginL\fi\fi
10609   \Gin@bboxtrue
10610   \Gin@defaultbp\Gin@llx{#1}%
10611   \Gin@defaultbp\Gin@lly{#2}%
10612   \Gin@defaultbp\Gin@urx{#3}%
10613   \Gin@defaultbp\Gin@ury{#4}%
10614   \Gin@include@graphics{#5}%
10615   \ifmmode\else\if@RTL\endL\fi\fi
10616   \endgroup}
10617 \def\Gin@ii[#1]#2{%
10618   \def\@tempa{[]}\def\@tempb{#2}%
10619   \ifx\@tempa\@tempb
10620     \def\@tempa{\Gin@iii[#1] []}%
10621     \expandafter\@tempa
10622   \else

```



```

10623 \begingroup
10624 \ifmmode\else\if@RTL\beginL\fi\fi
10625 \@tempwafalse
10626 \toks@{\Gininclude@graphics{#2}}%
10627 \setkeys{Gin}{#1}%
10628 \Gin@esetsize
10629 \the\toks@
10630 \ifmmode\else\if@RTL\endL\fi\fi
10631 \endgroup
10632 \fi}
10633 \def\reflectbox{\bidiGscale@box-1[1]}
10634 \long\def\bidiGscale@box#1[#2]#3{\ifmmode\else\if@RTL\beginL\fi\fi%
10635 \leavevmode
10636 \def\Gscale@x{#1}\def\Gscale@y{#2}%
10637 \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RTL\endR\fi}%
10638 \setbox\tw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
10639 \ifdim#2\p<\z@
10640 \ht\tw@-#2\dp\z@
10641 \dp\tw@-#2\ht\z@
10642 \else
10643 \ht\tw@#2\ht\z@
10644 \dp\tw@#2\dp\z@
10645 \fi
10646 \ifdim#1\p<\z@
10647 \hb@xt@-#1\wd\z@{\kern-#1\wd\z@\box\tw@\hss}%
10648 \else
10649 \wd\tw@#1\wd\z@
10650 \box\tw@
10651 \fi\ifmmode\else\if@RTL\endL\fi\fi}
10652 \def\scalebox#1{%
10653 \@ifnextchar[{\bidiGscale@box{#1}}{\bidiGscale@box{#1}[#1]}%
10654 \def\resizebox{%
10655 \leavevmode
10656 \@ifstar{\bidiGscale@@box\totalheight}{\bidiGscale@@box\height}}
10657 \def\bidiGscale@@box#1#2#3{%
10658 \let\@tempa\Gin@exclamation
10659 \expandafter\def\expandafter\@tempb\expandafter{\string#2}%
10660 \expandafter\def\expandafter\@tempc\expandafter{\string#3}%
10661 \ifx\@tempb\@tempa
10662 \ifx\@tempc\@tempa
10663 \toks@{\mbox}%
10664 \else
10665 \toks@{\bidiGscale@box@dd{#3}#1}%
10666 \fi
10667 \else
10668 \ifx\@tempc\@tempa
10669 \toks@{\bidiGscale@box@dd{#2}\width}%
10670 \else
10671 \toks@{\bidiGscale@box@ddd{#2}\width{#3}#1}%
10672 \fi

```



```

10673 \fi
10674 \the\toks@}
10675 \long\def\ bidiGscale@box@ddd#1#2#3{%
10676 \begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@
10677 \setlength\@tempdima{#1}%
10678 \setlength\@tempdimb{#2}%
10679 \Gscale@div\@tempa\@tempdima\@tempdimb
10680 \Gscale@box\@tempa[\@tempa]{\box\@tempboxa}%
10681 \@end@tempboxa}
10682 \long\def\ bidiGscale@box@dddd#1#2#3#4#5{%
10683 \begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#5\if@RTL\endR\fi\else\if@RTL\beginR\fi#5\if@
10684 \setlength\@tempdima{#1}%
10685 \setlength\@tempdimb{#2}%
10686 \Gscale@div\@tempa\@tempdima\@tempdimb
10687 \setlength\@tempdima{#3}%
10688 \setlength\@tempdimb{#4}%
10689 \Gscale@div\@tempb\@tempdima\@tempdimb
10690 \ifGin@iso
10691 \ifdim\@tempa\p@>\@tempb\p@
10692 \let\@tempa\@tempb
10693 \else
10694 \let\@tempb\@tempa
10695 \fi
10696 \fi
10697 \Gscale@box\@tempa[\@tempb]{\box\@tempboxa}%
10698 \@end@tempboxa}

```

7.67 geometry-xetex-bidi.def

```

10699 \ProvidesFile{geometry-xetex-bidi.def}[2013/04/01 v0.1 bidi adaptations for geometry package for
10700 \renewcommand*{\Gm@vrules@mpi}{%
10701 \if@RTLmain%
10702 \hb@xt@\@tempdima{\hskip-\marginparwidth\hskip-\marginparsep
10703 \llap{\Gm@vrule}\ignorespaces
10704 \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
10705 \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}%
10706 \else%
10707 \hb@xt@\@tempdima{\llap{\Gm@vrule}\ignorespaces
10708 \hskip \textwidth\Gm@vrule\hskip \marginparsep
10709 \llap{\Gm@vrule}\hfil\Gm@vrule}\fi}%
10710 \renewcommand*{\Gm@vrules@mpii}{%
10711 \if@RTLmain%
10712 \hb@xt@\@tempdima{\llap{\Gm@vrule}\ignorespaces
10713 \hskip \textwidth\Gm@vrule\hskip \marginparsep
10714 \llap{\Gm@vrule}\hfil\Gm@vrule}%
10715 \else%
10716 \hb@xt@\@tempdima{\hskip-\marginparwidth\hskip-\marginparsep
10717 \llap{\Gm@vrule}\ignorespaces
10718 \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
10719 \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}\fi}%

```



10720

7.68 hvfloat-xetex-bidi.def

```
10721 \ProvidesFile{hvfloat-xetex-bidi.def}[2012/04/18 v0.2 bidi adaptations for hvfloat package for X
10722 \def\do@hvFloat[#1]#2#3{%
10723 \def\hv@shortCap{#1}
10724 \def\hv@longCap{#2}
10725 \def\hv@label{#3}
10726 %\newcommand*{\hvFloat}[5][\{%
10727 % [#1]: keyvalues
10728 % #2: type figure | table | ...
10729 % #3: float contents
10730 % [#4]: short caption
10731 % #5: caption
10732 % #6: label
10733 % \setDefault%
10734 % \def\@tempa{#1}%
10735 % \ifx\@tempa\empty\else\setkeys{hvSet}{#1}\fi set options, only when not empty
10736 \def\@tempa{90}%
10737 \ifx\hvSet@rotAngle\@tempa \setlength{\hvMaxCapWidth}{\textheight}
10738 \else \setlength{\hvMaxCapWidth}{\linewidth}
10739 \fi
10740 %
10741 % First we save the object in \hvObjectBox
10742 %
10743 \ifx\hvSet@objectAngle\hv@Zero % rotate the object?
10744 \savebox{\hvObjectBox}{\ifhv@useOBox\usebox{\hvOBox}\else\hv@floatObject\fi}
10745 \else
10746 \savebox{\hvObjectBox}{%
10747 \rotatebox{\hvSet@objectAngle}{%
10748 \ifhv@useOBox\usebox{\hvOBox}\else\hv@floatObject\fi}}
10749 \fi
10750 \setlength{\hvObjectWidth}{\wd\hvObjectBox}
10751 %
10752 % Now we save the caption with its defined \hvCapWidth
10753 %
10754 \ifx\hvSet@capWidth\hv@Width\setlength{\hvCapWidth}{\hvObjectWidth}
10755 \else
10756 \ifx\hvSet@capWidth\hv@Height\setlength{\hvCapWidth}{\ht\hvObjectBox}
10757 \else
10758 \setlength{\hvCapWidth}{\hvObjectWidth}
10759 \ifx\hvSet@capPos\hv@Left\addtolength{\hvMaxCapWidth}{-\hvObjectWidth}\fi
10760 \ifx\hvSet@capPos\hv@Right\addtolength{\hvMaxCapWidth}{-\hvObjectWidth}\fi
10761 \ifdim\hvSet@capWidth\columnwidth<\hvMaxCapWidth
10762 \setlength{\hvCapWidth}{\hvSet@capWidth\columnwidth}
10763 \else
10764 \setlength{\hvCapWidth}{\hvMaxCapWidth}
10765 \fi
10766 \fi
```



```

10767 \fi
10768 %
10769 % now we have the object and the caption with the right
10770 % rotated angles saved in boxes
10771 %
10772 \def\fps@figure{\hvSet@floatPos}
10773 \ifhv@nonFloat\begin{group}% Start the nonfloat part
10774 \else \begin{\hv@floatType}% Start the floating environment
10775 \fi%
10776 \saveCaptionSkip% we put this space ourselves
10777 \ifx\hvSet@capAngle\hv@Width % need rotation?
10778 \sbox{\hvCaptionBox}{%
10779 \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation
10780 \ifhv@nonFloat%
10781 \ifhv@onlyText#2%
10782 \else%
10783 \ifx\hv@floatType\hv@figure
10784 \ifx\relax#1\relax \figcaption{#2}\else\figcaption[#1]{#2}\fi
10785 \else
10786 \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption[#1]{#2}\fi%
10787 \fi
10788 \fi
10789 \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption[#1]{#2}\fi%
10790 \fi%
10791 \label{#3}%
10792 \end{minipage}%
10793 }%
10794 \else%
10795 \sbox{\hvCaptionBox}{%
10796 \rotatebox{\hvSet@capAngle}{%
10797 \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation
10798 \ifhv@nonFloat%
10799 \ifhv@onlyText#2%
10800 \else%
10801 \ifx\hv@floatType\hv@figure
10802 \ifx\relax#1\relax \figcaption{#2}\else\figcaption[#1]{#2}\fi
10803 \else
10804 \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption[#1]{#2}\fi%
10805 \fi
10806 \fi
10807 \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption[#1]{#2}\fi%
10808 \fi%
10809 \label{#3}%
10810 \end{minipage}%
10811 }%
10812 }%
10813 \fi%
10814 %%
10815 \restoreCaptionSkip% save old values
10816 \ifx\hvSet@objectPos\hv@Right\bidiraggedleft%

```




```

10817 \else%
10818 \ifx\hvSet@objectPos\hv@Center
10819 \ifhv@nonFloat\hspace*{\fill}\else\centering\fi%
10820 \fi%
10821 \fi%
10822 %
10823 % to rotate object and caption together, we save all in another box
10824 % the caption comes first, if its on the left or the top
10825 %
10826 \savebox{\@tempboxa}{%
10827 \ifx\hvSet@capPos\hv@Left % caption on left side
10828 \if@RTL%
10829 \ifx\hvSet@capVPos\hv@Center%
10830 \ifhv@fbox
10831 \fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
10832 \else
10833 \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
10834 \fi%
10835 \hspace{\hvSet@floatCapSep pt}%
10836 \ifhv@fbox
10837 \fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
10838 \else
10839 \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}
10840 \fi%
10841 \else%
10842 \ifx\hvSet@capVPos\hv@Top
10843 \ifhv@fbox
10844 \fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
10845 \else
10846 \raisebox{-\height}{\usebox{\hvObjectBox}}%
10847 \fi%
10848 \hspace{\hvSet@floatCapSep pt}%
10849 \ifhv@fbox
10850 \fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
10851 \else
10852 \raisebox{-\height}{\usebox{\hvCaptionBox}}%
10853 \fi
10854 \else
10855 \ifhv@fbox
10856 \fbox{\usebox{\hvObjectBox}}%
10857 \else
10858 \usebox{\hvObjectBox}%
10859 \fi
10860 \hspace{\hvSet@floatCapSep pt}%
10861 \ifhv@fbox
10862 \fbox{\usebox{\hvCaptionBox}}%
10863 \else
10864 \usebox{\hvCaptionBox}%
10865 \fi%
10866 \fi%

```



```

10867 \fi%
10868 \else% not RTL
10869     \ifx\hvSet@capVPos\hv@Center%
10870     \ifhv@fbox\fbbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
10871     \else     \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
10872     \fi%
10873     \hspace{\hvSet@floatCapSep pt}% capfloatsep
10874     \ifhv@fbox\fbbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}%
10875     \else     \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}%
10876     \fi%
10877 \else%
10878     \ifx\hvSet@capVPos\hv@Top % caption at top
10879     \ifhv@fbox\fbbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
10880     \else     \raisebox{-\height}{\usebox{\hvCaptionBox}}%
10881     \fi
10882     \hspace{\hvSet@floatCapSep pt}% capfloatsep
10883     \ifhv@fbox\fbbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
10884     \else     \raisebox{-\height}{\usebox{\hvObjectBox}}%
10885     \fi%
10886 \else% caption on bottom
10887     \ifhv@fbox\fbbox{\usebox{\hvCaptionBox}}
10888     \else\usebox{\hvCaptionBox}
10889     \fi%
10890     \hspace{\hvSet@floatCapSep pt}%
10891     \ifhv@fbox\fbbox{\usebox{\hvObjectBox}}
10892     \else     \usebox{\hvObjectBox}
10893     \fi%
10894 \fi%
10895 \fi% end of RTL
10896 \fi%
10897 \else
10898 \ifx\hvSet@capPos\hv@Top
10899 \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
10900 \begin{minipage}{\wd\hvCaptionBox}
10901 \else
10902 \begin{minipage}{\wd\hvObjectBox}
10903 \fi
10904 \centering
10905 \ifhv@fbox
10906 \fbbox{\usebox{\hvCaptionBox}}\[\hvBelowCaptionSkip]
10907 \fbbox{\usebox{\hvObjectBox}}
10908 \else
10909 \usebox{\hvCaptionBox}\[\hvBelowCaptionSkip]
10910 \usebox{\hvObjectBox}
10911 \fi%
10912 \end{minipage}
10913 \else
10914 \ifx\hvSet@capPos\hv@Bottom
10915 \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
10916 \begin{minipage}{\wd\hvCaptionBox}

```



```

10917 \else
10918 \begin{minipage}{\wd\hvObjectBox}
10919 \fi
10920 \centering
10921 \ifhv@fbox
10922 \fbox{\usebox{\hvObjectBox}}\[\hvAboveCaptionSkip]
10923 \fbox{\usebox{\hvCaptionBox}}
10924 \else
10925 \usebox{\hvObjectBox}\[\hvAboveCaptionSkip]
10926 \usebox{\hvCaptionBox}
10927 \fi%
10928 \end{minipage}
10929 \else% the last option: put the caption on the right
10930 \ifRTL%
10931 \ifx\hvSet@capVPos\hv@Center%
10932 \ifhv@fbox\fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
10933 \else \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
10934 \fi%
10935 \hspace{\hvSet@floatCapSep pt}% capfloatsep
10936 \ifhv@fbox\fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
10937 \else \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
10938 \fi%
10939 \else%
10940 \ifx\hvSet@capVPos\hv@Top % caption at top
10941 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
10942 \else \raisebox{-\height}{\usebox{\hvCaptionBox}}%
10943 \fi
10944 \hspace{\hvSet@floatCapSep pt}% capfloatsep
10945 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}
10946 \else \raisebox{-\height}{\usebox{\hvObjectBox}}%
10947 \fi%
10948 \else% caption on bottom
10949 \ifhv@fbox\fbox{\usebox{\hvCaptionBox}}
10950 \else\usebox{\hvCaptionBox}
10951 \fi%
10952 \hspace{\hvSet@floatCapSep pt}%
10953 \ifhv@fbox\fbox{\usebox{\hvObjectBox}}
10954 \else \usebox{\hvObjectBox}
10955 \fi%
10956 \fi%
10957 \fi%
10958 \else% not RTL
10959 \ifx\hvSet@capVPos\hv@Center%
10960 \ifhv@fbox
10961 \fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
10962 \else
10963 \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
10964 \fi%
10965 \hspace{\hvSet@floatCapSep pt}%
10966 \ifhv@fbox

```



```

10967 \fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
10968 \else
10969 \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}
10970 \fi%
10971 \else%
10972 \ifx\hvSet@capVPos\hv@Top
10973 \ifhv@fbox
10974 \fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
10975 \else
10976 \raisebox{-\height}{\usebox{\hvObjectBox}}%
10977 \fi%
10978 \hspace{\hvSet@floatCapSep pt}%
10979 \ifhv@fbox
10980 \fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
10981 \else
10982 \raisebox{-\height}{\usebox{\hvCaptionBox}}%
10983 \fi
10984 \else
10985 \ifhv@fbox
10986 \fbox{\usebox{\hvObjectBox}}%
10987 \else
10988 \usebox{\hvObjectBox}%
10989 \fi
10990 \hspace{\hvSet@floatCapSep pt}%
10991 \ifhv@fbox
10992 \fbox{\usebox{\hvCaptionBox}}%
10993 \else
10994 \usebox{\hvCaptionBox}%
10995 \fi%
10996 \fi%
10997 \fi
10998 \fi% end of RTL
10999 \fi
11000 \fi
11001 \fi
11002 }% End savebox Object and caption
11003 %
11004 % now we rotate the object and caption, if needed
11005 %
11006 \ifx\hvSet@rotAngle\hv@Zero
11007 \usebox{\@tempboxa}
11008 \else
11009 \rotatebox{\hvSet@rotAngle}{\usebox{\@tempboxa}}
11010 \fi
11011 \ifhv@nonFloat
11012 \ifx\hvSet@objectPos\hv@Center
11013 \ifhv@nonFloat
11014 \hspace{\fill}
11015 \fi
11016 \fi

```



```

11017 \endgroup% End the nonfloat part
11018 \else
11019 \end{\hv@floatType}% End the floating environment
11020 \fi
11021 }

```

7.6g hyperref-xetex-bidi.def

```

11022 \ProvidesFile{hyperref-xetex-bidi.def}[2014/11/08 v0.8 bidi adaptations for hyperref package for
11023 \AtBeginDocument{%
11024 \def\contentsline#1#2#3#4{%
11025   \ifx\\#4\\%
11026     \csname l@#1\endcsname{#2}{#3}%
11027   \else
11028     \ifcase\Hy@linktoc % none
11029       \csname l@#1\endcsname{#2}{#3}%
11030     \or % section
11031       \csname l@#1\endcsname{%
11032         \beginL\hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend\endL
11033       }{#3}%
11034     \or % page
11035       \csname l@#1\endcsname{#2}{#3}%
11036       \beginL\hyper@linkstart{link}{#4}{#3}\hyper@linkend\endL
11037     }%
11038   \else % all
11039     \csname l@#1\endcsname{%
11040       \beginL\hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend\endL
11041     }{#3}%
11042     \beginL\hyper@linkstart{link}{#4}{#3}\hyper@linkend\endL
11043   }%
11044 \fi
11045 \fi
11046 }
11047 \ifHy@hyperfootnotes
11048 \let\H@@footnotetext\@footnotetext
11049 \let\HRTL@@RTLfootnotetext\@RTLfootnotetext
11050 \let\HLTR@@LTRfootnotetext\@LTRfootnotetext
11051 \def\@xfootnotenext[#1]{%
11052 \begingroup
11053   \csname c@\mpfn\endcsname #1\relax
11054   \unrestored@protected@xdef\@thefnmark{\thempfn}%
11055 \endgroup
11056 \ifx\@footnotetext\@mpfootnotetext
11057   \expandafter\H@@mpfootnotetext
11058 \else
11059   \expandafter\H@@footnotetext
11060 \fi
11061 }%
11062 \def\@xRTLfootnotenext[#1]{%
11063 \begingroup

```



```

11064     \csname c@\mpfn\endcsname #1\relax
11065     \unrestored@protected@xdef\@thefnmark{\thempfn}%
11066   \endgroup
11067   \ifx\@RTLfootnotetext\@mpRTLfootnotetext
11068     \expandafter\HRTL@\mpRTLfootnotetext
11069   \else
11070     \expandafter\HRTL@\@RTLfootnotetext
11071   \fi
11072 }%
11073 \def\@xLTRfootnotenext[#1]{%
11074 \begingroup
11075   \csname c@\mpfn\endcsname #1\relax
11076   \unrestored@protected@xdef\@thefnmark{\thempfn}%
11077 \endgroup
11078 \ifx\@LTRfootnotetext\@mplLTRfootnotetext
11079   \expandafter\HLTR@\mplLTRfootnotetext
11080 \else
11081   \expandafter\HLTR@\@LTRfootnotetext
11082 \fi
11083 }%
11084 \def\@xfootnotemark[#1]{%
11085 \begingroup
11086   \c@footnote #1\relax
11087   \unrestored@protected@xdef\@thefnmark{\thefootnote}%
11088 \endgroup
11089   \H@\@footnotemark
11090 }%
11091 \let\H@\mpfootnotetext\@mpfootnotetext
11092 \let\HRTL@\mpRTLfootnotetext\@mpRTLfootnotetext
11093 \let\HLTR@\mplLTRfootnotetext\@mplLTRfootnotetext
11094 \long\def\@mpfootnotetext#1{%
11095   \H@\mpfootnotetext{%
11096     \ifHy@nesting
11097       \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
11098     \else
11099       \Hy@raisedlink{%
11100         \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
11101       }#1%
11102     \fi
11103   }%
11104 }%
11105 \long\def\@mpRTLfootnotetext#1{%
11106   \HRTL@\mpRTLfootnotetext{%
11107     \ifHy@nesting
11108       \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
11109     \else
11110       \Hy@raisedlink{%
11111         \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
11112       }#1%
11113     \fi

```



```

11114 }%
11115 }%
11116 \long\def\@mpLTRfootnotetext#1{%
11117 \HLTR@@mpLTRfootnotetext{%
11118 \ifHy@nesting
11119 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
11120 \else
11121 \Hy@raisedlink{%
11122 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
11123 }#1%
11124 \fi
11125 }%
11126 }%
11127 \long\def\@footnotetext#1{%
11128 \H@@footnotetext{%
11129 \ifHy@nesting
11130 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
11131 \else
11132 \Hy@raisedlink{%
11133 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
11134 }%
11135 \let\@currentHlabel\Hy@footnote@currentHlabel
11136 \let\@currentHref\Hy@footnote@currentHref
11137 \let\@currentlabelname\@empty
11138 #1%
11139 \fi
11140 }%
11141 }%
11142 \long\def\@RTLfootnotetext#1{%
11143 \HRTL@@RTLfootnotetext{%
11144 \ifHy@nesting
11145 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
11146 \else
11147 \Hy@raisedlink{%
11148 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
11149 }%
11150 \let\@currentHlabel\Hy@footnote@currentHlabel
11151 \let\@currentHref\Hy@footnote@currentHref
11152 \let\@currentlabelname\@empty
11153 #1%
11154 \fi
11155 }%
11156 }%
11157 \long\def\@LTRfootnotetext#1{%
11158 \HLTR@@LTRfootnotetext{%
11159 \ifHy@nesting
11160 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
11161 \else
11162 \Hy@raisedlink{%
11163 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%

```



```

11164     }%
11165     \let\@currentHlabel\Hy@footnote@currentHlabel
11166     \let\@currentHref\Hy@footnote@currentHref
11167     \let\@currentlabelname\@empty
11168     #1%
11169     \fi
11170   }%
11171 }%
11172 \def\@footnotemark{%
11173   \leavevmode
11174   \ifhmode\edef\@x@sf{\the\spacefactor}\nobreak\fi
11175   \stepcounter{Hfootnote}%
11176   \global\let\Hy@saved@currentHlabel\@currentHlabel
11177   \global\let\Hy@saved@currentHref\@currentHref
11178   \hyper@makecurrent{Hfootnote}%
11179   \global\let\Hy@footnote@currentHlabel\@currentHlabel
11180   \global\let\Hy@footnote@currentHref\@currentHref
11181   \global\let\@currentHlabel\Hy@saved@currentHlabel
11182   \global\let\@currentHref\Hy@saved@currentHref
11183   \beginL\hyper@linkstart{link}{\Hy@footnote@currentHref}%
11184   \@makefnmark
11185   \hyper@linkend\endL
11186   \ifhmode\spacefactor\@x@sf\fi
11187   \relax
11188 }%
11189 \@ifpackageloaded{tabularx}{%
11190   \let\HyOrg@TX@endtabularx\TX@endtabularx
11191   \def\Hy@tabularx@hook{%
11192     \let\@footnotetext\H@@footnotetext
11193     \let\@LTRfootnotetext\HLTR@@LTRfootnotetext
11194     \let\@RTLfootnotetext\HRTL@@RTLfootnotetext
11195     \let\@footnotemark\H@@footnotemark
11196     \let\@mpfootnotetext\H@@mpfootnotetext
11197     \let\@mpLTRfootnotetext\HLTR@@mpLTRfootnotetext
11198     \let\@mpRTLfootnotetext\HRTL@@mpRTLfootnotetext
11199   }%
11200   \begingroup
11201     \toks@\expandafter{\TX@endtabularx}%
11202     \xdef\Hy@gtemp{%
11203       \noexpand\Hy@tabularx@hook
11204       \the\toks@
11205     }%
11206   \endgroup
11207   \let\TX@endtabularx\Hy@gtemp
11208 }{}%
11209 \@ifpackageloaded{longtable}{%
11210   \CheckCommand*\LT@p@LTRftntext}[1]{%
11211     \edef\@tempa{%
11212       \the\LT@p@ftn
11213       \noexpand\LTRfootnotetext[\the\c@footnote]%

```




```

11214 }%
11215 \global\LT@p@ftn\expandafter{\@tempa{#1}}%
11216 }%
11217 \long\def\LT@p@LTRftntext#1{%
11218 \edef\@tempa{%
11219 \the\LT@p@ftn
11220 \beginingroup
11221 \noexpand\c@footnote=\the\c@footnote\relax
11222 \noexpand\protected@xdef\noexpand\@thefnmark{%
11223 \noexpand\thempfn
11224 }%
11225 \noexpand\Hy@LT@LTRfootnotetext{%
11226 \Hy@footnote@currentHref
11227 }%
11228 }%
11229 \global\LT@p@ftn\expandafter{
11230 \@tempa{#1}}%
11231 \endgroup
11232 }%
11233 }%
11234 \long\def\Hy@LT@LTRfootnotetext#1#2{%
11235 \HLTR@@LTRfootnotetext{%
11236 \ifHy@nesting
11237 \hyper@@anchor{#1}{#2}%
11238 \else
11239 \Hy@raisedlink{%
11240 \hyper@@anchor{#1}{\relax}}%
11241 }%
11242 \def\@currentHref{#1}%
11243 \let\@currentlabelname\@empty
11244 #2%
11245 \fi
11246 }%
11247 }%
11248 \CheckCommand*{\LT@p@RTLftntext}[1]{%
11249 \edef\@tempa{%
11250 \the\LT@p@ftn
11251 \noexpand\RTLfootnotetext[\the\c@footnote]%
11252 }%
11253 \global\LT@p@ftn\expandafter{\@tempa{#1}}%
11254 }%
11255 \long\def\LT@p@RTLftntext#1{%
11256 \edef\@tempa{%
11257 \the\LT@p@ftn
11258 \beginingroup
11259 \noexpand\c@footnote=\the\c@footnote\relax
11260 \noexpand\protected@xdef\noexpand\@thefnmark{%
11261 \noexpand\thempfn
11262 }%
11263 \noexpand\Hy@LT@RTLfootnotetext{%

```



```

11264         \Hy@footnote@currentHref
11265     }%
11266 }%
11267 \global\LT@p@ftn\expandafter{%
11268     \@tempa{#1}%
11269 \endgroup
11270 }%
11271 }%
11272 \long\def\Hy@LT@RTLfootnotetext#1#2{%
11273     \HRTL@RTLfootnotetext{%
11274         \ifHy@nesting
11275             \hyper@@anchor{#1}{#2}%
11276         \else
11277             \Hy@raisedlink{%
11278                 \hyper@@anchor{#1}{\relax}%
11279             }%
11280             \def\@currentHref{#1}%
11281             \let\@currentlabelname\@empty
11282             #2%
11283         \fi
11284     }%
11285 }%
11286 }{}%
11287 \@ifpackageloaded{bidipoem}{%
11288     \long\def\bidipoem@p@ftntext#1{%
11289         \edef\@tempx{%
11290             \the\bidipoem@p@ftn
11291         \begingroup
11292         \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
11293         \noexpand\protected@xdef\noexpand\@thefnmark{%
11294             \noexpand\thempfn
11295         }%
11296         \noexpand\Hy@bidipoem@footnotetext{%
11297             \Hy@footnote@currentHref
11298         }%
11299     }%
11300     \global\bidipoem@p@ftn\expandafter{%
11301         \@tempx{#1}%
11302     \endgroup
11303 }%
11304 }%
11305 \long\def\Hy@bidipoem@footnotetext#1#2{%
11306     \H@footnotetext{%
11307         \ifHy@nesting
11308             \hyper@@anchor{#1}{#2}%
11309         \else
11310             \Hy@raisedlink{%
11311                 \hyper@@anchor{#1}{\relax}%
11312             }%
11313             \def\@currentHref{#1}%

```



```

11314         \let\@currentlabelname\@empty
11315         #2%
11316     \fi
11317 }%
11318 }%
11319     \long\def\bidipoem@p@LTRftntext#1{%
11320     \edef\@tempxi{%
11321     \the\bidipoem@p@ftn
11322     \begingroup
11323     \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
11324     \noexpand\protected@xdef\noexpand\@thefnmark{%
11325     \noexpand\thempfn
11326     }%
11327     \noexpand\Hy@bidipoem@LTRfootnotetext{%
11328     \Hy@footnote@currentHref
11329     }%
11330     }%
11331     \global\bidipoem@p@ftn\expandafter{%
11332     \@tempxi{#1}%
11333     \endgroup
11334     }%
11335 }%
11336 \long\def\Hy@bidipoem@LTRfootnotetext#1#2{%
11337     \HLTR@@LTRfootnotetext{%
11338     \ifHy@nesting
11339     \hyper@@anchor{#1}{#2}%
11340     \else
11341     \Hy@raisedlink{%
11342     \hyper@@anchor{#1}{\relax}%
11343     }%
11344     \def\@currentHref{#1}%
11345     \let\@currentlabelname\@empty
11346     #2%
11347     \fi
11348     }%
11349 }%
11350     \long\def\bidipoem@p@RTLftntext#1{%
11351     \edef\@tempxii{%
11352     \the\bidipoem@p@ftn
11353     \begingroup
11354     \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
11355     \noexpand\protected@xdef\noexpand\@thefnmark{%
11356     \noexpand\thempfn
11357     }%
11358     \noexpand\Hy@bidipoem@RTLfootnotetext{%
11359     \Hy@footnote@currentHref
11360     }%
11361     }%
11362     \global\bidipoem@p@ftn\expandafter{%
11363     \@tempxii{#1}%

```



```

11364         \endgroup
11365     }%
11366 }%
11367 \long\def\Hy@bidipoem@RTLfootnotetext#1#2{%
11368     \HRTL@RTLfootnotetext{%
11369         \ifHy@nesting
11370             \hyper@@anchor{#1}{#2}%
11371         \else
11372             \Hy@raisedlink{%
11373                 \hyper@@anchor{#1}{\relax}%
11374             }%
11375             \def\@currentHref{#1}%
11376             \let\@currentlabelname\@empty
11377             #2%
11378         \fi
11379     }%
11380 }%
11381 }{}%
11382 \let\HyOrg@maketitle\maketitle
11383 \def\maketitle{%
11384     \let\Hy@saved@footnotemark\@footnotemark
11385     \let\Hy@saved@footnotetext\@footnotetext
11386     \let\HyRTL@saved@RTLfootnotetext\@RTLfootnotetext
11387     \let\HyLTR@saved@LTRfootnotetext\@LTRfootnotetext
11388     \let\@footnotemark\H@@footnotemark
11389     \let\@footnotetext\H@@footnotetext
11390     \let\@RTLfootnotetext\HRTL@RTLfootnotetext
11391     \let\@LTRfootnotetext\HLTR@LTRfootnotetext
11392     \@ifnextchar[\Hy@maketitle@optarg{% ]
11393         \HyOrg@maketitle
11394         \Hy@maketitle@end
11395     }%
11396 }%
11397 \def\Hy@maketitle@optarg[#1]{%
11398     \HyOrg@maketitle[#1]%
11399     \Hy@maketitle@end
11400 }%
11401 \def\Hy@maketitle@end{%
11402     \ifx\@footnotemark\H@@footnotemark
11403         \let\@footnotemark\Hy@saved@footnotemark
11404         \fi
11405     \ifx\@footnotetext\H@@footnotetext
11406         \let\@footnotetext\Hy@saved@footnotetext
11407         \fi
11408     \ifx\@RTLfootnotetext\HRTL@RTLfootnotetext
11409         \let\@RTLfootnotetext\HyRTL@saved@RTLfootnotetext
11410         \fi
11411     \ifx\@LTRfootnotetext\HLTR@LTRfootnotetext
11412         \let\@LTRfootnotetext\HyLTR@saved@LTRfootnotetext
11413         \fi

```



```

11414 }%
11415 \def\realfootnote{%
11416   \ifnextchar[\@xfootnote{%
11417     \stepcounter{\@mpfn}%
11418     \protected@xdef\@thefnmark{\thempfn}%
11419     \H@@footnotemark\H@@footnotetext
11420   }%
11421 }%
11422 \fi
11423 \def\hyper@link#1#2#3{%
11424   \ifmmode\else\beginL\fi\hyper@linkstart{#1}{#2}\ifmmode\else\if@RTL\beginR\fi\fi#3\ifmmode\else\endR\fi
11425 }
11426 \def\url@#1{\beginL\hyper@linkurl{\Hurl{#1}}{#1}\endL}
11427 \def\hyper@natlinkstart#1{%
11428   \Hy@backout{#1}%
11429   \beginL\hyper@linkstart{cite}{cite.#1}\if@RTL\beginR\fi%
11430 \def\hyper@nat@current{#1}%
11431 }
11432 \def\hyper@natlinkend{%
11433   \if@RTL\endR\fi\hyper@linkend\endL
11434 }
11435 \def\hyper@natlinkbreak#1#2{%
11436   \if@RTL\endR\fi\hyper@linkend\endL#1\beginL\hyper@linkstart{cite}{cite.#2}\if@RTL\beginR\fi%
11437 }%
11438 }
11439 \begingroup
11440   \catcode`\$=6 %
11441   \catcode`\#=12 %
11442   \gdef\href@#1{\expandafter\href@split$1##\\}%
11443   \gdef\href@split$1#$2#$3\\$4{%
11444     \beginL\hyper@@link{$1}{$2}{\if@RTL\beginR\fi$4\if@RTL\endR\fi}\endL%
11445   \endgroup
11446 }%
11447 \endgroup
11448 \pdfstringdefDisableCommands{%
11449   \let\LRE\@firstofone
11450   \let\LR\@firstofone
11451   \let\RE\@firstofone
11452   \let\RL\@firstofone
11453   \def\XeTeX{XeTeX}
11454   \def\XeLaTeX{XeLaTeX}
11455 }
11456 \ifpackageloaded{longtable}{%
11457   \begingroup
11458     \def\y{\LT@array}%
11459     \@ifundefined{scr@LT@array}{%
11460       \@ifundefined{adl@LT@array}{%{\def\y{adl@LT@array}}%
11461     }{\def\y{\scr@LT@array}}%
11462     \long\def\x\refstepcounter#1#2\@sharp#3#4\@nil{%
11463       \expandafter\endgroup

```



```

11464 \expandafter\def\y[#1]##2{%
11465 \H@refstepcounter{#1}%
11466 \hyper@makecurrent{table}%
11467 \let\Hy@LT@currentHref\@currentHref
11468 #2\@sharp####4%
11469 }%
11470 }%
11471 \expandafter\expandafter\expandafter\x\y[{#1}]{#2}\@nil
11472 \begingroup
11473 \def\x#1\ifvoid\LT@foot#2\fi#3\@nil{%
11474 \endgroup
11475 \def\LT@start{%
11476 #1%
11477 \ifvoid\LT@foot#2\fi
11478 \let\@currentHref\Hy@LT@currentHref
11479 \Hy@raisedlink{%
11480 \hyper@anchorstart{\@currentHref}\hyper@anchorend
11481 }%
11482 #3%
11483 }%
11484 }%
11485 \expandafter\x\LT@start\@nil
11486 }{}

```

7.70 leqno-xetex-bidi.def

```

11487 \ProvidesFile{leqno-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for leqno tag for XeTeX eng
11488 \renewcommand\@eqnnum{\hb@xt@.01\p@{}}%
11489 \rlap{
11490 \hskip -\displaywidth{\normalfont\normalcolor\if@RTL\beginR\fi(\theequation)\}

```

7.71 letter-xetex-bidi.def

```

11491 \ProvidesFile{letter-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for standard letter class
11492 \renewcommand*\opening[1]{\ifx\empty\fromaddress
11493 \thispagestyle{firstpage}%
11494 {\if@RTL\raggedright\else\raggedleft\fi\@date\par}%
11495 \else % home address
11496 \thispagestyle{empty}%
11497 {\if@RTL\raggedright\else\raggedleft\fi\if@RTL\begin{tabular}{r@{}}\else\begin{tabular}{l@{
11498 \fromaddress \*[2\parskip]%
11499 \@date \end{tabular}\par}%
11500 \fi
11501 \vspace{2\parskip}%
11502 {\if@RTL\raggedleft\else\raggedright\fi \toname \[ \toaddress \par}%
11503 \vspace{2\parskip}%
11504 #1\par\nobreak}
11505 \renewcommand\left@footnoterule{%
11506 \kern-\p@
11507 \hrule \@width .4\columnwidth
11508 \kern .6\p@}

```



```

11509 \renewcommand\right@footnoterule{%
11510   \kern-\p@
11511   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
11512   \kern .6\p@}

```

7.72 lettrine-xetex-bidi.def

```

11513 \ProvidesFile{lettrine-xetex-bidi.def}[2015/02/17 v0.5 bidi adaptations for lettrine package for
11514 \def\@lettrine[#1]#2#3{%
11515   \setcounter{L@lines}{\theDefaultLines}%
11516   \setcounter{L@depth}{\theDefaultDepth}%
11517   \renewcommand*{\L@hang}{\DefaultLhang}%
11518   \renewcommand*{\L@oversize}{\DefaultLoversize}%
11519   \renewcommand*{\L@raise}{\DefaultLraise}%
11520   \renewcommand*{\L@ante}{}%
11521   \setlength{\L@Findent}{\DefaultFindent}%
11522   \setlength{\L@Nindent}{\DefaultNindent}%
11523   \setlength{\L@slope}{\DefaultSlope}%
11524   \setlength{\L@novskip}{\DiscardVskip}%
11525   \ifLettrineImage\L@imagetrue\else\L@imagefalse\fi
11526   \ifLettrineOnGrid\L@gridtrue\else\L@gridfalse\fi
11527   \if\DefaultOptionsFile\relax
11528   \else
11529     \begingroup
11530     \InputIfFileExists{\DefaultOptionsFile}%
11531     {%
11532       \PackageWarning{lettrine.sty}%
11533       {File \DefaultOptionsFile\space not found}%
11534     }%
11535     \def\color##1##{\l@color{##1}}%
11536     \let\l@color\@gobbletwo
11537     \def\textcolor##1##{\l@textcolor{##1}}%
11538     \def\l@textcolor##1##2##3{##3}%
11539     \expandafter\ifx\csname l@#2-keys\endcsname\relax
11540       \gdef\l@LOKeys{%
11541         \else
11542         \xdef\l@LOKeys{\csname l@#2-keys\endcsname}%
11543         \fi
11544     \endgroup
11545     \def\KV@prefix{KV@L@}%
11546     \let\@tempc\relax
11547     \expandafter\KV@do\l@LOKeys,\relax,
11548     \sbox{\L@lbox}{\LettrineFont #2}%
11549     \setlength{\LettrineWidth}{\wd\L@lbox}%
11550     \def\KV@prefix{KV@L@}%
11551     \let\@tempc\relax
11552     \expandafter\KV@do\l@LOKeys,\relax,
11553     \fi
11554     \setkeys{L}{#1}%
11555     \ifL@image

```



```

11556 \sbox{\L@lbox}{\LettrineFontEPS{#2}}%
11557 \else
11558 \sbox{\L@lbox}{\LettrineFont #2}%
11559 \fi
11560 \sbox{\L@tbox}{\LettrineTextFont{#3}}%
11561 \@tempdima=\baselineskip
11562 \ifnum\theL@lines=1
11563 \setlength{\L@first}{\ht\L@lbox}%
11564 \addtolength{\L@first}{-\ht\L@tbox}%
11565 \setlength{\L@lraise}{\z@}%
11566 \else
11567 \setlength{\L@first}{-\theL@lines\@tempdima}%
11568 \addtolength{\L@first}{\@tempdima}%
11569 \sbox{\@tempboxa}{\LettrineTextFont x}%
11570 \addtolength{\L@first}{-\ht\@tempboxa}%
11571 \setlength{\L@lraise}{-\L@raise\L@first}%
11572 \addtolength{\L@first}{\L@lraise}%
11573 \addtolength{\L@first}{\ht\L@lbox}%
11574 \addtolength{\L@lraise}{-\theL@lines\@tempdima}%
11575 \addtolength{\L@lraise}{\@tempdima}%
11576 \fi
11577 \par
11578 \ifdim\L@first>\L@novskip
11579 \ifL@grid
11580 \@tempdima=\baselineskip
11581 \@tempdimb=\@tempdima
11582 \advance\@tempdimb by \L@novskip
11583 \@tempcnta=1
11584 \loop\ifdim\L@first>\@tempdimb
11585 \advance\@tempcnta by 1
11586 \advance\L@first by -\@tempdima
11587 \repeat
11588 \vskip\@tempcnta\baselineskip
11589 \else
11590 \vskip\L@first
11591 \fi
11592 \fi
11593 \setlength{\L@Pindent}{\wd\L@lbox}%
11594 \addtolength{\L@Pindent}{-\L@hang\wd\L@lbox}%
11595 \settowidth{\L@first}{\L@ante}%
11596 \addtolength{\L@Pindent}{\L@first}%
11597 \addtolength{\L@Pindent}{\L@Findent}%
11598 \setlength{\L@first}{\linewidth}%
11599 \addtolength{\L@first}{-\L@Pindent}%
11600 \addtolength{\L@Nindent}{\L@Pindent}%
11601 \setlength{\L@next}{\linewidth}%
11602 \addtolength{\L@next}{-\L@Nindent}%
11603 \addtolength{\L@Pindent}{\rightmargin}%
11604 \addtolength{\L@Nindent}{\rightmargin}%
11605 \setlength{\LettrineWidth}{\wd\L@lbox}%

```




```

11606 \setlength{\LettrineHeight}{\ht\L@lbox}%
11607 \setlength{\LettrineDepth}{\dp\L@lbox}%
11608 \addtocounter{L@lines}{1}%
11609 \addtocounter{L@lines}{\the\c@L@depth}%
11610 \ifRTL\def\L@parshape{\c@L@lines Opt \the\L@first}\else\def\L@parshape{\c@L@lines \the\L@Pin
11611 \@tempcnta=\tw@
11612 \@whilenum \@tempcnta<\c@L@lines\do{%
11613   \ifRTL\edef\L@parshape{\L@parshape Opt \the\L@next}\else\edef\L@parshape{\L@parshape \the
11614     \addtolength{\L@Nindent}{\L@slope}%
11615     \addtolength{\L@next}{-\L@slope}%
11616     \advance\@tempcnta\@ne}%
11617 \ifRTL\edef\L@parshape{\L@parshape Opt \the\linewidth}\else\edef\L@parshape{\L@parshape \ri
11618 \noindent
11619 \parshape=\L@parshape\relax
11620 \smash{\llap{\mbox{\L@ante}\raisebox{\L@lraise}{\usebox{\L@lbox}}}%
11621   \hskip \the\L@Findent}}%
11622 \usebox{\L@tbox}%
11623 }

```

7.73 listings-xetex-bidi.def

```

11624 \ProvidesFile{listings-xetex-bidi.def}[2015/08/23 v0.9 bidi adaptations for listings package for
11625 \lst@Key{captiondirection}{textdirection}{%
11626   \lstKV@SwitchCases{#1}%
11627   {textdirection&\\%
11628     RTL&\chardef\bidi@lst@caption@direction\@ne\\%
11629     LTR&\chardef\bidi@lst@caption@direction\z@%
11630   }{\PackageError{Listings}{direction #1 unknown}\@ehc}}
11631 \newcommand*{\bidi@lst@ensure@caption@direction}[2]{%
11632   \@ifundefined{bidi@lst@caption@direction}{}%
11633   \ifnum\bidi@lst@caption@direction=\z@%
11634     #1%
11635   \else%
11636     \ifnum\bidi@lst@caption@direction=\@ne%
11637       #2%
11638     \fi%
11639   \fi%
11640 }}
11641 \long\def\bidi@lst@makecaption#1#2{%
11642   \vskip\abovcaptionskip
11643   \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
11644   \sbox\@tempboxa{%
11645     \bidi@lst@ensure@caption@direction{\beginL}{\beginR}%
11646     #1: #2%
11647     \bidi@lst@ensure@caption@direction{\endL}{\endR}%
11648   }%
11649   \ifdim \wd\@tempboxa >\hsize
11650     #1: #2\par
11651   \else
11652     \global \@minipagefalse

```



```

11653     \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%
11654     \fi
11655     \vskip\belowcaptionskip}%
11656 \def\lst@makecaption{\@bidi\lst@makecaption}
11657 \def\lst@maketitle{\@bidi\lst@makecaption\lst@title@dropdelim}
11658 \bidi@patchcmd{\lst@MakeCaption}{%
11659     \ifx #1t%
11660         \ifx\lst@@caption\@empty\expandafter\lst@HRefStepCounter \else
11661             \expandafter\refstepcounter
11662         \fi {lstlisting}}%
11663 }{%
11664     \ifx #1t%
11665         \bidi\lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
11666         \ifx\lst@@caption\@empty\expandafter\lst@HRefStepCounter \else
11667             \expandafter\refstepcounter
11668         \fi {lstlisting}}%
11669     \bidi\lst@ensure@caption@direction{\@RTLfalse}{\@RTLfalse}%
11670 }{}{}
11671 \bidi@patchcmd{\lst@MakeCaption}{%
11672     \addcontentsline{lol}{lstlisting}%
11673     {\protect\numberline{\thelstlisting}\lst@@caption}%
11674 }{%
11675 \begingroup%
11676     \bidi\lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
11677     \addcontentsline{lol}{lstlisting}%
11678     {\protect\numberline{\thelstlisting}\lst@@caption}%
11679 \endgroup%
11680 }{}{}
11681 \AtBeginDocument{%
11682 \ifundefined{captionlabelfalse}{}{}%
11683 \def\lst@maketitle{\captionlabelfalse\@bidi\lst@makecaption\@empty}}%
11684 \ifundefined{caption@startrue}{}{}%
11685 \def\lst@maketitle{\caption@startrue\@bidi\lst@makecaption\@empty}}%
11686 }
11687 \AtBeginDocument{
11688 \ifundefined{thechapter}{\let\lst@ifnumberbychapter\iffalse}{}
11689 \lst@ifnumberbychapter
11690     \gdef\thelstlisting%
11691     {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@lstlisting}
11692 \else
11693     \gdef\thelstlisting{\@arabic\c@lstlisting}
11694 \fi}

```

7.74 loadingorder-xetex-bidi.def

```

11695 \ProvidesFile{loadingorder-xetex-bidi.def}[2015/10/16 v0.96 making sure that bidi is the last pa
11696 \bidi@isloaded{amsmath}
11697 \bidi@isloaded{amstext}
11698 \bidi@isloaded{amsthm}
11699 \bidi@isloaded{breqn}

```



```

11700 \bidi@isloaded{cals}
11701 \bidi@isloaded{caption}
11702 \bidi@isloaded{crop}
11703 \bidi@isloaded{cuted}
11704 \bidi@isloaded{cutwin}
11705 \bidi@isloaded{color}
11706 \bidi@isloaded{dblfnote}
11707 \bidi@isloaded{xcolor}
11708 \bidi@isloaded{colortbl}
11709 \bidi@isloaded{float}
11710 \bidi@isloaded{floatrow}
11711 \bidi@isloaded{flowfram}
11712 \bidi@isloaded{framed}
11713 \bidi@isloaded{ftnright}
11714 \bidi@isloaded{xltextra}
11715 \bidi@isloaded{xunicode}
11716 \bidi@isloaded{wrapfig}
11717 \bidi@isloaded{graphicx}
11718 \bidi@isloaded{geometry}
11719 \bidi@isloaded{hvfloat}
11720 \bidi@isloaded{mdframed}
11721 \bidi@isloaded{midfloat}
11722 \bidi@isloaded{ntheorem}
11723 \bidi@isloaded{ntheorem-hyper}
11724 \bidi@isloaded{hyperref}
11725 \bidi@isloaded{fancybox}
11726 \bidi@isloaded{fancyhdr}
11727 \bidi@isloaded{fix2col}
11728 \bidi@isloaded{draftwatermark}
11729 \bidi@isloaded{empheq}
11730 \bidi@isloaded{pdfpages}
11731 \bidi@isloaded{listings}
11732 \bidi@isloaded{lettrine}
11733 \bidi@isloaded{pstricks}
11734 \bidi@isloaded{pgf}
11735 \bidi@isloaded{picinpar}
11736 \bidi@isloaded{quotchap}
11737 \bidi@isloaded{tikz}
11738 \bidi@isloaded{titlesec}
11739 \bidi@isloaded{titletoc}
11740 \bidi@isloaded{array}
11741 \bidi@isloaded{soul}
11742 \bidi@isloaded{stabular}
11743 \bidi@isloaded{subfig}
11744 \bidi@isloaded{subfigure}
11745 \bidi@isloaded{supertabular}
11746 \bidi@isloaded{xtab}
11747 \bidi@isloaded{longtable}
11748 \bidi@isloaded{arydshln}
11749 \bidi@isloaded{multicol}

```



```

11750 \bidi@isloaded{multienum}
11751 \bidi@isloaded{minitoc}
11752 \bidi@isloaded{natbib}
11753 \bidi@isloaded{newfloat}
11754 \bidi@isloaded{ragged2e}
11755 \bidi@isloaded{rotating}
11756 \bidi@isloaded{tabls}
11757 \bidi@isloaded{tabulary}
11758 \bidi@isloaded{tocstyle}
11759 \bidi@isloaded{tocbibind}
11760 \bidi@isloaded{fontspec}
11761 \bidi@isloaded{arabxetex}
11762 \bidi@isloaded{polyglossia}
11763 \bidi@isloaded{fancyvrb}
11764 \AtBeginDocument{
11765   \if@bidi@amsmathloaded@ \else
11766     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amsmath after bidi package. Plea
11767     \fi%
11768     \if@bidi@amstextloaded@ \else
11769       \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amstext after bidi package. Plea
11770       \fi%
11771       \if@bidi@amsthmloaded@ \else
11772         \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amsthm after bidi package. Plea
11773         \fi%
11774         \if@bidi@breqnloaded@ \else
11775           \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package breqn after bidi package. Plea
11776           \fi%
11777           \if@bidi@calsloaded@ \else
11778             \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cals after bidi package. Plea
11779             \fi%
11780             \if@bidi@captionloaded@ \else
11781               \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package caption after bidi package. Plea
11782               \fi%
11783               \if@bidi@croplloaded@ \else
11784                 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package crop after bidi package. Plea
11785                 \fi%
11786                 \if@bidi@colorloaded@ \else
11787                   \@ifpackageloaded{hyperref}{\fi%
11788                     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package color after bidi package. Plea
11789                     \fi%
11790                     \if@bidi@cutwinloaded@ \else
11791                       \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cutwin after bidi package. Plea
11792                       \fi%
11793                       \if@bidi@cutedloaded@ \else
11794                         \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cuted after bidi package. Plea
11795                         \fi%
11796                         \if@bidi@dblfnloaded@ \else
11797                           \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package dblfnote after bidi package. Plea
11798                           \fi%
11799                           \if@bidi@xcolorloaded@ \else

```



```

11800 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xcolor after bidi package. Pl
11801 \fi%
11802 \if@bidi@colortblloaded@else
11803 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package colortbl after bidi package. Pl
11804 \fi%
11805 \if@bidi@floatloaded@else
11806 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package float after bidi package. Pl
11807 \fi%
11808 \if@bidi@floatrowloaded@else
11809 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package floatrow after bidi package. Pl
11810 \fi%
11811 \if@bidi@flowframloaded@else
11812 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package flowfram after bidi package. Pl
11813 \fi%
11814 \if@bidi@framedloaded@else
11815 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package framed after bidi package. Pl
11816 \fi%
11817 \if@bidi@ftnrightloaded@else
11818 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ftnright after bidi package. Pl
11819 \fi%
11820 \if@bidi@xltxttraloaded@else
11821 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xltextra after bidi package. Pl
11822 \fi%
11823 \if@bidi@xunicodeloaded@else
11824 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xunicode after bidi package. Pl
11825 \fi%
11826 \if@bidi@wrapfigloaded@else
11827 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package wrapfig after bidi package. Pl
11828 \fi%
11829 \if@bidi@graphicxloaded@else
11830 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package graphicx after bidi package. Pl
11831 \fi%
11832 \if@bidi@geometryloaded@else
11833 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package geometry after bidi package. Pl
11834 \fi%
11835 \if@bidi@hvfloatloaded@else
11836 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package hvfloat after bidi package. Pl
11837 \fi%
11838 \if@bidi@mdframedloaded@else
11839 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package mdframed after bidi package. Pl
11840 \fi%
11841 \if@bidi@midfloatloaded@else
11842 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package midfloat after bidi package. Pl
11843 \fi%
11844 \if@bidi@ntheoremloaded@else
11845 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ntheorem after bidi package. Pl
11846 \fi%
11847 \if@bidi@hyperrefloaded@else
11848 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package hyperref after bidi package. Pl
11849 \fi%

```



```

11850 \if@bidi@fancyboxloaded@else
11851 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancybox after bidi package.
11852 \fi%
11853 \if@bidi@fancyhdrloaded@else
11854 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyhdr after bidi package.
11855 \fi%
11856 \if@bidi@draftwatermarkloaded@else
11857 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package draftwatermark after bidi pa
11858 \fi%
11859 \if@bidi@empheqloaded@else
11860 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package empheq after bidi package. Pl
11861 \fi%
11862 \if@bidi@pdfpagesloaded@else
11863 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pdfpages after bidi package.
11864 \fi%
11865 \if@bidi@lettrineloaded@else
11866 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package lettrine after bidi package.
11867 \fi%
11868 \if@bidi@listingsloaded@else
11869 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package listings after bidi package.
11870 \fi%
11871 \if@bidi@pstricksloaded@else
11872 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pstricks after bidi package.
11873 \fi%
11874 \if@bidi@pgfloaded@else
11875 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pgf after bidi package. Pleas
11876 \fi%
11877 \if@bidi@picinparloaded@else
11878 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package picinpar after bidi package.
11879 \fi%
11880 \if@bidi@quotchaploaded@else
11881 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package quotchap after bidi package.
11882 \fi%
11883 \if@bidi@tikzloaded@else
11884 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tikz after bidi package. Plea
11885 \fi%
11886 \if@bidi@titlesecloaded@else
11887 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titlesec after bidi package.
11888 \fi%
11889 \if@bidi@titletocloaded@else
11890 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titletoc after bidi package.
11891 \fi%
11892 \if@bidi@arrayloaded@else
11893 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package array after bidi package. Pl
11894 \fi%
11895 \if@bidi@stabularloaded@else
11896 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package stabular after bidi package.
11897 \fi%
11898 \if@bidi@soulloaded@else
11899 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package soul after bidi package. Plea

```



```

11900 \fi%
11901 \if@bidi@subfigloaded@else
11902 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfig after bidi package. Please
11903 \fi%
11904 \if@bidi@subfigureloaded@else
11905 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfigure after bidi package. Please
11906 \fi%
11907 \if@bidi@supertabularloaded@else
11908 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package supertabular after bidi package. Please
11909 \fi%
11910 \if@bidi@xtabloaded@else
11911 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xtab after bidi package. Please
11912 \fi%
11913 \if@bidi@longtableloaded@else
11914 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package longtable after bidi package. Please
11915 \fi%
11916 \if@bidi@arydshlnloaded@else
11917 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arydshln after bidi package. Please
11918 \fi%
11919 \if@bidi@multicolloaded@else
11920 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package multicol after bidi package. Please
11921 \fi%
11922 \if@bidi@multienumloaded@else
11923 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package multienum after bidi package. Please
11924 \fi%
11925 \if@bidi@minitocloaded@else
11926 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package minitoc after bidi package. Please
11927 \fi%
11928 \if@bidi@natbibloaded@else
11929 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package natbib after bidi package. Please
11930 \fi%
11931 \if@bidi@newfloatloaded@else
11932 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package newfloat after bidi package. Please
11933 \fi%
11934 \csname if@bidi@ragged2eloaded@endcsname\else
11935 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ragged2e after bidi package. Please
11936 \fi%
11937 \if@bidi@rotatingloaded@else
11938 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package rotating after bidi package. Please
11939 \fi%
11940 \if@bidi@tblsloaded@else
11941 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tbls after bidi package. Please
11942 \fi%
11943 \if@bidi@tabularyloaded@else
11944 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tabulary after bidi package. Please
11945 \fi%
11946 \if@bidi@tocstyleloaded@else
11947 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocstyle after bidi package. Please
11948 \fi%
11949 \if@bidi@tocbibindloaded@else

```



```

11950 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocbibind after bidi package.
11951 \fi%
11952 \if@bidi@fontspecloaded@else
11953 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fontspec after bidi package.
11954 \fi%
11955 \if@bidi@arabxetexloaded@else
11956 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arabxetex after bidi package.
11957 \fi%
11958 \if@bidi@polyglossialoaded@else
11959 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package polyglossia after bidi packa
11960 \fi%
11961 \if@bidi@fancyvrbloaded@else
11962 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyvrb after bidi package.
11963 \fi%
11964 }

```

7.75 longtable-xetex-bidi.def

```

11965 \ProvidesFile{longtable-xetex-bidi.def}[2013/04/01 v0.3 bidi adaptations for longtable package]
11966 \def\LT@array[#1]#2{%
11967 \refstepcounter{table}\stepcounter{LT@tables}%
11968 \if l#1%
11969 \if@RTLtab\LTleft\fill \LTright\z@else\LTleft\z@ \LTright\fill\fi
11970 \else\if r#1%
11971 \if@RTLtab\LTleft\z@ \LTright\fill\else\LTleft\fill \LTright\z@\fi
11972 \else\if c#1%
11973 \LTleft\fill \LTright\fill
11974 \fi\fi\fi
11975 \let\LT@mc\multicolumn
11976 \let\LT@tabarray\@tabarray
11977 \let\LT@hline\hline
11978 \def\@tabarray{%
11979 \let\hline\LT@hline
11980 \LT@tabarray}%
11981 \let\LT@tabularcr\let\tabularnewline\%
11982 \def\newpage{\noalign{\break}}%
11983 \def\pagebreak{\noalign{\ifnum`=0\fi\@testopt{\LT@no@pgbk-}4}}%
11984 \def\nopagebreak{\noalign{\ifnum`=0\fi\@testopt{\LT@no@pgbk4}}%
11985 \let\hline\LT@hline \let\kill\LT@kill\let\caption\LT@caption
11986 \@tempdima\ht\strutbox
11987 \let\@endpbox\LT@endpbox
11988 \ifx\extrarowheight\@undefined
11989 \let\@acol\@tabacol
11990 \let\@classz\@tabclassz \let\@classiv\@tabclassiv
11991 \def\@startpbox{\vtop\LT@startpbox}%
11992 \let\@@startpbox\@startpbox
11993 \let\@@endpbox\@endpbox
11994 \let\LT@LL@FM@cr\@tabularcr
11995 \else
11996 \advance\@tempdima\extrarowheight

```




```

11997 \col@sep\tabcolsep
11998 \let\@startpbox\LT@startpbox\let\LT@LL@FM@cr\@arraycr
11999 \fi
12000 \setbox\@arstrutbox\hbox{\vrule
12001 \@height \arraystretch \@tempdima
12002 \@depth \arraystretch \dp \strutbox
12003 \@width \z@}%
12004 \let\@sharp#\let\protect\relax
12005 \begingroup
12006 \mkpream{#2}%
12007 \xdef\LT@bchunk{%
12008 \global\advance\c@LT@chunks\@ne
12009 \global\LT@rows\z@\setbox\z@\vbox\bgroup
12010 \LT@setprevdepth
12011 \tabskip\LTleft \noexpand\halign to\hsize\bgroup
12012 \tabskip\z@ \@arstrut \preamble \tabskip\LTRight \cr}%
12013 \endgroup
12014 \expandafter\LT@nofcols\LT@bchunk&\LT@nofcols
12015 \LT@make@row
12016 \m@th\let\par\@empty
12017 \everycr{}\lineskip\z@\baselineskip\z@
12018 \LT@bchunk}
12019 \def\LT@makecaption#1#2#3{%
12020 \LT@mc@col\LT@cols c{\hbox to\z@{\hss\parbox[t]\LTcapwidth{%
12021 \sbox\@tempboxa{\if@RTL\beginR\fi#1{#2: }#3\if@RTL\endR\fi}%
12022 \ifdim\wd\@tempboxa>\hsize
12023 #1{#2: }#3%
12024 \else
12025 \hbox to\hsize{\hfil\box\@tempboxa\hfil}%
12026 \fi
12027 \endgraf\vskip\baselineskip}%
12028 \hss}}}
12029 \def\LT@startpbox#1{%
12030 \bgroup
12031 \let\@footnotetext\LT@p@ftntext
12032 \let\@LTRfootnotetext\LT@p@LTRftntext
12033 \let\@RTLfootnotetext\LT@p@RTLftntext
12034 \setlength\hsize{#1}%
12035 \arrayparboxrestore
12036 \vrule \@height \ht\@arstrutbox \@width \z@}
12037 \def\LT@p@LTRftntext#1{%
12038 \edef\@tempa{\the\LT@p@ftn\noexpand\LTRfootnotetext[\the\c@footnote]]}%
12039 \global\LT@p@ftn\expandafter{\@tempa{#1}}}%
12040 \def\LT@p@RTLftntext#1{%
12041 \edef\@tempa{\the\LT@p@ftn\noexpand\RTLfootnotetext[\the\c@footnote]]}%
12042 \global\LT@p@ftn\expandafter{\@tempa{#1}}}%

```

7.76 mdframed-xetex-bidi.def

```

12043 \ProvidesFile{mdframed-xetex-bidi.def}[2013/09/22 v0.4 bidi adaptations for mdframed package for

```



```

12044 \newif\if@bidi@mdf@RTL
12045 \def\mdf@lrbox#1{%
12046   \mdf@patchamsthm\patch amsthm
12047   \if@RTL\@bidi@mdf@RTLtrue\fi%
12048   \@RTLfalse%
12049   \setbox#1\vbox\bgroup%
12050   \color@begingroup%
12051   \if@bidi@mdf@RTL\@RTLtrue\fi%
12052   \mdf@horizontalmargin@equation%
12053   \columnwidth=\hsize%
12054   \textwidth=\hsize%
12055   \let\if@nobreak\iffalse%
12056   \let\if@noskipsec\iffalse%
12057   \let\par\@par%
12058   \let\-\@dischyp%
12059   \let'\@acci\let'\@accii\let\=\@acciii%
12060   \parindent\z@ \parskip\z@skip%
12061   \linewidth\hsize%
12062   \@totalleftmargin\z@%
12063   \leftskip\z@skip \rightskip\z@skip \@rightskip\z@skip%
12064   \parfillskip\@flushglue \lineskip\normallineskip%
12065   \baselineskip\normalbaselineskip%
12066 %% \sloppy%
12067 \let\\\@normalcr%
12068 \mdf@par@local%New feature to restore parskip/parindent local in save box
12069 \ifbool{mdf@suppressfirstparskip}{\vspace*{-\parskip}}{}%
12070 \@afterindentfalse%
12071 %\@afterheading%
12072 }
12073 \renewrobustcmd\mdfframedtitleenv[1]{%
12074   \mdf@lrbox{\mdf@frametitlebox}%
12075   \mdf@frametitlealignment%
12076   \leavevmode{\color{\mdf@frametitlefontcolor}%
12077     \normalfont\mdf@frametitlefont{#1}
12078     \ifbool{mdf@ignorelastdescenders}%
12079       {%
12080         \par\strut\par
12081         \unskip\unskip\setbox0=\lastbox
12082         \vspace*{\dimexpr\ht\strutbox-\baselineskip\relax}%
12083       }{}%
12084   \par\unskip\ifvmode\nointerlineskip\hrule \@height\z@ \@width\hsize\fi%
12085   \endmdf@lrbox\relax%
12086   \mdf@ignorevbadness%
12087   \setbox\mdf@frametitlebox=\vbox{\unvbox\mdf@frametitlebox}%
12088   \mdfframetitleboxwidth=\wd\mdf@frametitlebox\relax%
12089   \mdfframetitleboxheight=\ht\mdf@frametitlebox\relax%
12090   \mdfframetitleboxdepth=\dp\mdf@frametitlebox\relax%
12091   \mdfframetitleboxtotalheight=\dimexpr
12092     \ht\mdf@frametitlebox
12093     +\dp\mdf@frametitlebox%

```



```

12094             +\mdf@frametitleaboveskip@length
12095             +\mdf@frametitlebelowskip@length
12096             \relax%
12097 }
12098
12099 \renewrobustcmd*\mdf@footnoteoutput{%
12100     \ifvoid\@mpfootins\else%
12101         \nobreak%
12102         \vskip\mdf@footnotedistance@length%
12103         \normalcolor%
12104         \bidi@mpfootnoterule%
12105         \unvbox\@mpfootins%
12106     \fi%
12107 }
12108
12109
12110 \renewrobustcmd*\mdf@footnoteinput{%
12111     \def\@mpfn{\mpfootnote}%
12112     \def\thempfn{\thempfootnote}%
12113     \c@mpfootnote\z@%
12114     \let\@footnotetext\@mpfootnotetext%
12115     \let\@LTRfootnotetext\@mpLTRfootnotetext%
12116     \let\@RTLfootnotetext\@mpRTLfootnotetext%
12117 }

```

7.77 memoir-xetex-bidi.def

```

12118 \ProvidesFile{memoir-xetex-bidi.def}[2010/07/25 v0.5 bidi adaptations for memoir class for XeTeX]
12119 \renewcommand{\keepthetitle}{%
12120     \@bsmtitleempty
12121     \global\let\thanks\relax
12122     \global\let\LTRthanks\relax
12123     \global\let\RTLthanks\relax
12124     \global\let\and\relax
12125     \global\let\andnext\relax
12126     \global\let\@thanks\@empty
12127     \global\let\@title\@empty
12128     \global\let\@author\@empty
12129     \global\let\@date\@empty}
12130 \renewcommand{\maketitle}{\par
12131     \begingroup
12132     \@bsmarkseries
12133     \def\@makefnmark{\@textsuperscript{%
12134         \normalfont\@bsthanksheadpre \tamark \@bsthanksheadpost}}%
12135     \long\def\@makefntext##1{\makethanksmark ##1}
12136     \if@twocolumn
12137         \ifnum \col@number=\@ne
12138             \@maketitle
12139         \else
12140             \twocolumn[\@maketitle]%

```



```

12141 \fi
12142 \else
12143 \ifdim\pagetotal>\z@
12144 \newpage
12145 \fi
12146 \global\@topnum\z@
12147 \@maketitle
12148 \fi
12149 \thispagestyle{title}\@thanks
12150 \endgroup
12151 \@bscontmark % \setcounter{footnote}{0}%
12152 }
12153 \renewcommand*{\memRTLleftskip}{\if@RTL\rightskip\else\leftskip\fi}
12154 \renewcommand*{\memRTLrightskip}{\if@RTL\leftskip\else\rightskip\fi}
12155 \renewcommand*{\memRTLvleftskip}{\if@RTL\vrightskip\else\vleftskip\fi}
12156 \renewcommand*{\memRTLvrightskip}{\if@RTL\vleftskip\else\vrightskip\fi}
12157 \renewcommand*{\memRTLraggedright}{\if@RTL\raggedleft\else\raggedright\fi}
12158 \renewcommand*{\memRTLraggedleft}{\if@RTL\raggedright\else\raggedleft\fi}
12159 \renewcommand*{\thesection}{\thechapter\@SepMark\@arabic\c@section}
12160 \renewcommand*{\thesubsection}{\%
12161 \thesection\@SepMark\@arabic\c@subsection}
12162 \renewcommand*{\thesubsubsection}{\%
12163 \thesubsection\@SepMark\@arabic\c@subsubsection}
12164 \renewcommand*{\theparagraph}{\%
12165 \thesubsubsection\@SepMark\@arabic\c@paragraph}
12166 \renewcommand*{\thesubparagraph}{\%
12167 \theparagraph\@SepMark\@arabic\c@subparagraph}
12168 \renewcommand{\setthesection}{\thechapter\@SepMark\Alph{section}}
12169 \renewcommand{\theequation}{\%
12170 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
12171 \renewcommand{\thefigure}{\thechapter\@SepMark\@arabic\c@figure}
12172 \renewcommand{\thetable}{\thechapter\@SepMark\@arabic\c@table}
12173 \ifartopt
12174 \chapterstyle{article}
12175 \counterwithout{figure}{chapter}
12176 \counterwithout{table}{chapter}
12177 \counterwithout{footnote}{chapter}
12178 \counterwithout{equation}{chapter}
12179 \renewcommand{\chaptername}{\%
12180 \renewcommand{\maketitlehookb}{\%
12181 \vskip -1.5\topsep\vskip -1.5\partopsep}
12182 \renewcommand{\maketitlehookc}{\%
12183 \vskip -1.5\topsep\vskip -1.5\partopsep}
12184 \fi
12185 \long\def\@makecaption#1#2{\let\@memtempa\relax
12186 \ifdim\prevdepth>-99\p@ \vskip\abovecaptionskip
12187 \else \def\@memtempa{\vbox to\topskip{}}\fi
12188 \let\@contfnote\footnote \renewcommand{\footnote}[2]{}{}
12189 \let\@contfmark\footnotemark \renewcommand{\footnotemark}[1]{}{}
12190 \sbox\@tempboxa{\@contnfont #1\@contdelim \@conttfont #2\@conttfinal}

```



```

12191 \let\footnote\@contfnote
12192 \let\footnotemark\@contfmark
12193 \ifdim\wd\@tempboxa<\linewidth \centering \fi
12194 \if@contcw
12195   \centering
12196   \parbox{\@contcwidth}{%
12197     \ifdim\wd\@tempboxa<\@contcwidth \centering \fi
12198   \fi
12199   \ifdim\wd\@tempboxa<\linewidth
12200     \@contpre
12201     {\@contnfont #1\@contdelim}\@memtempa
12202     {\@contcshortstyle \@conttfont #2\@contfinal\par}
12203   \else
12204     \if@conthang
12205       \sbox\@tempboxa{\@contnfont #1\@contdelim}
12206       \@contpre%
12207       {\@contcstyle\hangindent=\wd\@tempboxa
12208         \noindent\box\@tempboxa\@memtempa \@conttfont #2\@contfinal\par}
12209     \else
12210       \if@contindent
12211         \@contpre%
12212         {\@contnfont #1\@contdelim}\@memtempa
12213         {\@contcstyle\hangindent=\@contindw
12214           \hangafter=\@one\@conttfont #2\@contfinal\par}% <- v1.4
12215       \else
12216         \@contpre%
12217         {\@contnfont #1\@contdelim}\@memtempa
12218         {\@contcstyle \@conttfont #2\@contfinal\par}
12219       \fi
12220     \fi
12221   \fi
12222   \@contpost
12223   \if@contcw
12224     \par
12225   } % end of the \parbox
12226   \fi
12227   \vskip\belowcaptionskip}
12228 \ifpackageloaded{caption}{%
12229 \AtBeginPackage{caption}{
12230 \ClassWarningNoLine{memoir}{%
12231   You are using the caption package with the memoir \MessageBreak
12232   class. This may cause unexpected or inconsistent \MessageBreak
12233   results if you use any of memoir's captioning facilities}
12234 }
12235 \long\def\@makecaption##1##2{%
12236   \vskip\abovcaptionskip
12237   \sbox\@tempboxa{\if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi}%
12238   \ifdim \wd\@tempboxa >\hsize
12239     \if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi\par
12240   \else

```



```

12241 \global \@minipagefalse
12242 \hb@xt@{\hsize{\hfil\box\@tempboxa\hfil}}%
12243 \fi
12244 \vskip\belowcaptionskip}
12245
12246 \def\caption{%
12247 \ifx\@capytype\@undefined
12248 \latex@error{\noexpand\caption outside float}\@ehd
12249 \expandafter\@gobble
12250 \else
12251 \refstepcounter\@capytype
12252 \expandafter\@firstofone
12253 \fi
12254 {\@dblarg{\@caption\@capytype}}}%
12255 }
12256
12257 \long\def\@caption##1[##2]##3{%
12258 \par
12259 \addcontentsline{\csname ext@##1\endcsname}{##1}%
12260 {\protect\numberline{\csname the##1\endcsname}{\ignorespaces ##2}}}%
12261 \begingroup
12262 \@parboxrestore
12263 \if@minipage
12264 \@setminipage
12265 \fi
12266 \normalsize
12267 \@makecaption{\csname fnum##1\endcsname}{\ignorespaces ##3}\par
12268 \endgroup}
12269 }}{}
12270 \renewenvironment{thebibliography}[1]{%
12271 \bibsection
12272 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
12273 \begin{bibitemlist}{#1}}{\end{bibitemlist}\postbibhook}

```

7.78 midfloat-xetex-bidi.def

```

12274 \ProvidesFile{midfloat-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for midfloat package for
12275 \def\RTL@outputdblcol{%
12276 \if@firstcolumn
12277 \global \@firstcolumnfalse
12278 \global \setbox\@leftcolumn \box\@outputbox
12279 \global\c@colht\@colht\global\c@advvipersep\z@
12280 \ifnum\jua@sk>0
12281 \remove@strip\jua@sar
12282 \global\@colht\the\jua@pr
12283 \ifdim\right@cor>\z@
12284 \global\advance\@colht by\right@cor
12285 \fi
12286 \global\advance\@colht by\cor@height
12287 \global\cor@height=0pt

```



```

12288 \fi
12289 \global \setbox\@rightcolumn \vbox{%
12290 \else
12291 \ifdim\c@colht>\@colht
12292 \@tempdima\@colht
12293 \ifdim\@colht>\z@
12294 \global\setbox\@rightcolumn \vbox{%
12295 \unvbox\@rightcolumn
12296 \vbox to\@tempdima{%
12297 \vskip\c@addvipersep\unvbox\@outputbox}%
12298 \vskip\stripsep
12299 \vrule height\the\juaht width Opt depth Opt
12300 \vskip\stripsep
12301 }%
12302 \global\c@addvipersep\m@addvipersep
12303 \else
12304 \global\setbox\@rightcolumn \vbox{%
12305 \unvbox\@rightcolumn
12306 \vrule height\the\juaht width Opt depth Opt
12307 \vskip\stripsep
12308 }%
12309 \fi
12310 \ifnum\jua@sk>0
12311 \remove@strip\jua@sar
12312 \global\@colht\the\jua@pr
12313 \global\advance\@colht by -\ht\@rightcolumn
12314 \global\advance\@colht by\cor@height
12315 \global\cor@height=0pt
12316 \else
12317 \global\advance\c@colht by-\ht\@rightcolumn
12318 \global\@colht\c@colht
12319 \fi
12320 \else
12321 \global\@firstcolumntrue
12322 \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%
12323 \unvbox\@rightcolumn
12324 \vskip\c@addvipersep
12325 \unvbox\@outputbox
12326 }%
12327 \setbox\@outputbox \vbox {%
12328 \hb@xt@\textwidth {%
12329 \hskip \columnwidth
12330 \hfil
12331 \vrule \@width\columnseprule
12332 \hfil
12333 \hb@xt@\columnwidth {%
12334 \box\@leftcolumn \hss}%
12335 \hskip-\textwidth
12336 \hb@xt@\columnwidth {%
12337 \box\@outputbox \hss}%

```



```

12338             \hskip\columnwidth
12339             \hskip\columnsep}%
12340             }%
12341     \@combinedblfloats
12342     \@outputpage
12343     \beginngroup
12344         \@dblfloatplacement
12345         \@startdblcolumn
12346         \@whilesw\if@fcolmade \fi
12347         {\@outputpage
12348         \@startdblcolumn}%
12349     \endgroup
12350     \global\jua@sk=0\global\jua@sar={}%
12351     \global\cor@height\z@\global\c@advvipersep\z@
12352     \fi
12353 \fi
12354 }
12355
12356
12357 \def\LTR@outputdblcol{%
12358     \if@firstcolumn
12359         \global \@firstcolumnfalse
12360         \global \setbox\@leftcolumn \box\@outputbox
12361         \global\c@colht\@colht\global\c@advvipersep\z@
12362         \ifnum\jua@sk>0
12363             \remove@strip\jua@sar
12364             \global\@colht\the\jua@pr
12365             \ifdim\right@cor>\z@
12366                 \global\advance\@colht by\right@cor
12367             \fi
12368             \global\advance\@colht by\cor@height
12369             \global\cor@height=0pt
12370         \fi
12371         \global \setbox\@rightcolumn \vbox{%
12372     \else
12373         \ifdim\c@colht>\@colht
12374             \@tempdima\@colht
12375             \ifdim\@colht>\z@
12376                 \global\setbox\@rightcolumn \vbox{%
12377                     \unvbox\@rightcolumn
12378                     \vbox to\@tempdima{%
12379                         \vskip\c@advvipersep\unvbox\@outputbox}%
12380                     \vskip\stripsep
12381                     \vrule height\the\jua@ht width 0pt depth 0pt
12382                     \vskip\stripsep
12383                 }%
12384                 \global\c@advvipersep\m@advvipersep
12385             \else
12386                 \global\setbox\@rightcolumn \vbox{%
12387                     \unvbox\@rightcolumn

```




```

12388             \vrule height\the\jua@ht width Opt depth Opt
12389             \vskip\stripsep
12390             }%
12391         \fi
12392         \ifnum\jua@sk>0
12393             \remove@strip\jua@sar
12394             \global\@colht\the\jua@pr
12395             \global\advance\@colht by -\ht\@rightcolumn
12396             \global\advance\@colht by\cor@height
12397             \global\cor@height=Opt
12398         \else
12399             \global\advance\c@colht by-\ht\@rightcolumn
12400             \global\@colht\c@colht
12401         \fi
12402     \else
12403     \global\@firstcolumntrue
12404     \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%
12405         \unvbox\@rightcolumn
12406         \vskip\c@addvipersep
12407         \unvbox\@outputbox
12408     }%
12409     \setbox\@outputbox \vbox {%
12410         \hb@xt@\textwidth {%
12411             \hb@xt@\columnwidth {%
12412                 \box\@leftcolumn \hss}%
12413             \hfil
12414             \vrule \@width\columnseprule
12415             \hfil
12416             \hb@xt@\columnwidth {%
12417                 \box\@outputbox \hss}%
12418             }%
12419         }%
12420     \@combinedblfloats
12421     \@outputpage
12422     \begingroup
12423     \@dblfloatplacement
12424     \@startdblcolumn
12425     \@whilesw\if@fcolmade \fi
12426     {\@outputpage
12427     \@startdblcolumn}%
12428     \endgroup
12429     \global\jua@sk=0\global\jua@sar={}
12430     \global\cor@height\z@\global\c@addvipersep\z@
12431     \fi
12432 \fi
12433 }
12434
12435
12436 \def\@strip[#1/#2]{\global\@tempdima=#1\global\@tempdimb=#2%
12437 \global \setbox\@viper\vbox\bgroup\if@RTLmain\moveleft\dimexpr(\columnwidth+\columnsep)\fi\v

```



```

12438      \hspace\textwidth
12439      \@parboxrestore
12440      \col@number \@ne
12441      \vrule height\topskip width0pt depth0pt
12442 }
12443
12444 \def\endstrip{%
12445     \egroup\egroup
12446     \if@firstcolumn
12447         \ifdim\pagetotal>\z@
12448             \vskip\stripsep
12449             \global\ht@strip\pagegoal
12450             \global\advance\ht@strip by-\pagetotal
12451             \global\advance\ht@strip by-\stripsep
12452             \global\advance\ht@strip by-\ht\viper
12453             \global\advance\ht@strip by-\stripsep
12454             \global\jua@ht=\ht\viper
12455         \else
12456             \global\ht@strip\z@
12457         \fi
12458         \ifdim\ht@strip>\z@
12459             \unvbox\viper
12460             \vskip\stripsep
12461             \add@strip{\the\pagetotal}{\the\jua@ht}{\the\@tempdima}{\the\@tempdimb}%
12462             \global\advance\jua@sk by1
12463         \else
12464             \@latex@error{Strip needs more place!}\@ehc
12465             \if@vihproof
12466                 \framebox[\columnwidth]{??? Strip ???}%
12467             \fi
12468         \fi
12469     \else
12470         \@latex@error{Strip is used only on left column!}\@ehc
12471         \if@vihproof
12472             \framebox[\columnwidth]{??? Strip ???}%
12473         \fi
12474     \fi
12475 }

```

7.79 minitoc-xetex-bidi.def

```

12476 \ProvidesFile{minitoc-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for minitoc package for X
12477 \def\@undottedtocline#1#2#3#4#5{%
12478     \ifnum #1>\c@tocdepth\relax \else
12479         \vskip \z@ plus.2\p@
12480     {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocrmarg \p
12481         \parindent #2\relax\@afterindenttrue
12482         \interlinepenalty\@M
12483         \leavevmode
12484         \@tempdima #3\relax \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \hbox{}%

```



```

12485 \hskip -\if@RTL\rightskip\else\leftskip\fi
12486 #4\nobreak\hfill \nobreak
12487 \null\par}%
12488 \fi}
12489 \def\@Undottedtocline#1#2#3#4#5{%
12490 \ifnum #1>\c@tocdepth\relax \else
12491 \vskip \z@ \@plus.2\p@
12492 {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocrmarg \
12493 \parindent #2\relax\@afterindenttrue
12494 \interlinepenalty\@M
12495 \leavevmode
12496 \@tempdima #3\relax
12497 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightski
12498 {\coffefont #4}\nobreak \nobreak\null
12499 \par}%
12500 \fi}
12501 \def\@Undottedtoclinep#1#2#3#4#5{%
12502 \ifnum #1>\c@tocdepth\relax \else
12503 \vskip \z@ \@plus.2\p@
12504 {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocrmarg \
12505 \parindent #2\relax\@afterindenttrue
12506 \interlinepenalty\@M
12507 \leavevmode
12508 \@tempdima #3\relax
12509 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightski
12510 {#4}\nobreak \hfill \nobreak\null
12511 \hb@xt@\@pnumwidth{\hfil\normalfont \normalcolor #5}}%
12512 \par}%
12513 \fi}

```

7.8o multicol-xetex-bidi.def

```

12514 \ProvidesFile{multicol-xetex-bidi.def}[2015/11/14 v0.7 bidi adaptations for multicol package for
12515 \def\page@sofar{%
12516 \process@cols\mult@rightbox
12517 {\ifvoid\count@
12518 \setbox\count@\hbox to\hsize{}}%
12519 \else
12520 \wd\count@\hsize
12521 \fi}%
12522 \count@\col@number \advance\count@\m@ne
12523 \mult@info\z@
12524 {Column spec: \the\full@width\space = indent
12525 + columns + sep =\MessageBreak
12526 \the\multicol@leftmargin\space
12527 + \the\col@number\space
12528 x \the\hsize\space
12529 + \the\count@\space
12530 x \the\columnsep
12531 }%

```



```

12532 \ifvmode\else\errmessage{Multicol Error}\fi
12533 \nointerlineskip
12534 \setbox\z@\hbox{p}\global\dimen\tw@\dp\z@
12535 \moveright\multicol@leftmargin
12536 \hbox to\full@width{%
12537     \bidi@multicol@align@columns
12538     \rlap{\phantom p}%
12539 }%
12540 \prevdepth\z@
12541 \kern-\dimen\tw@
12542 \ifdim\dimen\tw@ > \mc@gridwarn
12543 \PackageWarning{multicol}%
12544 {Very deep columns!\MessageBreak
12545 Grid alignment might be broken}%
12546 \fi
12547 }
12548 \def\LTR@column@boxes{%
12549     \process@cols\mult@gfirstbox{%
12550         \ifdim\dp\count@>\dimen\tw@
12551             \global\dimen\tw@\dp\count@ \fi
12552         \mc@col@status@write
12553         \box\count@
12554         \hss{\columnseprulecolor\vrule
12555             \@width\columnseprule}\hss}%
12556     \ifdim\dp\mult@rightbox>\dimen\tw@
12557         \global\dimen\tw@\dp\mult@rightbox \fi
12558     \mc@lastcol@status@write
12559     \box\mult@rightbox
12560 }
12561
12562 \def\RTL@column@boxes{%
12563     \process@cols\mult@gfirstbox{%
12564         \hskip\hsize
12565         \hss{\columnseprulecolor\vrule
12566             \@width\columnseprule}\hss
12567     }%
12568     \hskip\hsize
12569     \process@cols\mult@gfirstbox{%
12570         \ifdim\dp\count@>\dimen\tw@
12571             \global\dimen\tw@\dp\count@ \fi
12572         \hskip-\hsize
12573         \mc@col@status@write
12574         \box\count@
12575         \hskip-\hsize
12576         \hskip-\columnsep
12577     }%
12578     \ifdim\dp\mult@rightbox>\dimen\tw@
12579         \global\dimen\tw@\dp\mult@rightbox \fi
12580     \hskip-\hsize
12581     \mc@lastcol@status@write

```



```

12582     \box\mult@rightbox
12583     \hskip-\hsize
12584     \hskip\full@width
12585 }
12586 \newcommand\RTLmulticolcolumns
12587   {\let\bidicol@multicol@align@columns
12588     \RTL@column@boxes}
12589 \newcommand\LTRmulticolcolumns
12590   {\let\bidicol@multicol@align@columns
12591     \LTR@column@boxes}
12592 \newcommand\bidicol@multicol@align@columns
12593   {\if@RTLmain\RTL@column@boxes\else\LTR@column@boxes\fi}
12594 \def\multicols#1{\col@number#1\relax
12595   \ifnum\col@number<\tw@
12596     \PackageWarning{multicol}%
12597       {Using `~\number\col@number'
12598        columns doesn't seem a good idea.^^J
12599        I therefore use two columns instead}%
12600     \col@number\tw@ \fi
12601   \ifnum\col@number>10
12602     \PackageError{multicol}%
12603       {Too many columns}%
12604     {Current implementation doesn't
12605      support more than 10 columns.%
12606      \MessageBreak
12607      I therefore use 10 columns instead}%
12608     \col@number10 \fi
12609   \ifx\@footnotetext\mult@footnotetext\else
12610     \let\orig@footnotetext\@footnotetext
12611     \let\@footnotetext\mult@footnotetext
12612   \fi
12613   \ifx\@LTRfootnotetext\mult@LTRfootnotetext\else
12614     \let\orig@LTRfootnotetext\@LTRfootnotetext
12615     \let\@LTRfootnotetext\mult@LTRfootnotetext
12616   \fi
12617   \ifx\@RTLfootnotetext\mult@RTLfootnotetext\else
12618     \let\orig@RTLfootnotetext\@RTLfootnotetext
12619     \let\@RTLfootnotetext\mult@RTLfootnotetext
12620   \fi
12621   \@ifnextchar[\mult@cols{\mult@cols[]}]
12622 \long\def\mult@footnotetext#1{\begingroup
12623   \hsize\textwidth
12624   \columnwidth\textwidth
12625   \orig@footnotetext{#1}\endgroup}
12626 \long\def\mult@LTRfootnotetext#1{\begingroup
12627   \hsize\textwidth
12628   \columnwidth\textwidth
12629   \orig@LTRfootnotetext{#1}\endgroup}
12630 \long\def\mult@RTLfootnotetext#1{\begingroup
12631   \hsize\textwidth

```



```

12632         \columnwidth\textwidth
12633         \orig@RTLfootnotetext{#1}\endgroup}
12634 \def\right@footnoterule{%
12635   \kern-3\p@
12636   \hbox to \textwidth{\hskip \dimexpr\textwidth-.4\columnwidth\relax \hrulefill }
12637   \kern2.6\p@}
12638 \def\textwidth@footnoterule{\kern-3\p@
12639   \hrule \@width \textwidth \kern 2.6\p@}

```

7.81 multienum-xetex-bidi.def

```

12640 \ProvidesFile{multienum-xetex-bidi.def}[2011/04/16 v0.1 bidi adaptations for multienum package]
12641 \renewcommand{\itemx}[1]{\parbox[t]{%
12642   {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
12643   \parbox[t]{\remainx}{\bidi@raggedright #1}\par}%\smallskip
12644 \renewcommand{\itemxx}[2]{\parbox[t]{%
12645   {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
12646   \parbox[t]{.5\remainxx}{\bidi@raggedright #1}\hfill\parbox[t]{%
12647   {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
12648   \parbox[t]{0.5\remainxx}{\bidi@raggedright #2}\smallskip}
12649 \renewcommand{\itemxxx}[3]{\parbox[t]{%
12650   {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
12651   \parbox[t]{.3333\remainxxx}{\bidi@raggedright #1}\hfill\parbox[t]{%
12652   {\labelwidth}{\hfill {\labelname}}\hskip\labelsep%
12653   \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\hfill\parbox[t]{%
12654   {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
12655   \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #3}\par}%\smallskip
12656 \renewcommand{\itemxxxx}[4]{\parbox[t]{%
12657   {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
12658   \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill\parbox[t]{%
12659   {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
12660   \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #2}\hfill%
12661   \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
12662   \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\hfill%
12663   \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
12664   \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #4}\smallskip}
12665 \renewcommand{\itemxxxxx}[5]{\parbox[t]{%
12666   {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
12667   \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #1}\hfill%
12668   \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
12669   \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #2}\hfill%
12670   \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
12671   \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #3}\hfill%
12672   \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
12673   \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #4}\hfill%
12674   \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
12675   \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #5}\smallskip}
12676 \renewcommand{\itemxox}[2]{\parbox[t]{%
12677   {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
12678   \parbox[t]{\remainxox}{\bidi@raggedright #1}\hfill%

```



```

12679 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
12680 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\smallskip}
12681 \renewcommand{\itemxxo}[2]{\parbox[t]{%
12682 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
12683 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #1}\hfill%
12684 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
12685 \parbox[t]{\remainxox}{\bidi@raggedright #2}\smallskip}
12686 \renewcommand{\itemxxx}[3]{\parbox[t]{%
12687 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
12688 \parbox[t]{\remainxxx}{\bidi@raggedright #1}\hfill%
12689 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
12690 \parbox[t]{0.25\remainxxx}{\bidi@raggedright #2}\hfill%
12691 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
12692 \parbox[t]{0.25\remainxxx}{\bidi@raggedright #3}\smallskip}
12693 \renewcommand{\itemxxx}[3]{\parbox[t]{%
12694 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
12695 \parbox[t]{.25\remainxxx}{\bidi@raggedright #1}\hfill%
12696 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
12697 \parbox[t]{\remainxxx}{\bidi@raggedright #2}\hfill%
12698 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
12699 \parbox[t]{0.25\remainxxx}{\bidi@raggedright #3}\smallskip}
12700 \renewcommand{\itemxxo}[3]{\parbox[t]{%
12701 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
12702 \parbox[t]{.25\remainxxx}{\bidi@raggedright #1}\hfill%
12703 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
12704 \parbox[t]{.25\remainxxx}{\bidi@raggedright #2}\hfill%
12705 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
12706 \parbox[t]{\remainxxx}{\bidi@raggedright #3}\smallskip}

```

7.82 natbib-xetex-bidi.def

```

12707 \ProvidesFile{natbib-xetex-bidi.def}[2011/06/04 v0.1 bidi adaptations for natbib package for XeT
12708 \renewenvironment{thebibliography}[1]{%
12709 \bibsection
12710 \parindent\z@
12711 \bibpreamble
12712 \bibfont
12713 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
12714 \list{\@biblabel{\the\c@NAT@ctr}}{\@bibsetup{#1}\global\c@NAT@ctr\z@}%
12715 \ifNAT@openbib
12716 \renewcommand\newblock{\par}%
12717 \else
12718 \renewcommand\newblock{\hskip .11em \@plus.33em \@minus.07em}%
12719 \fi
12720 \sloppy\clubpenalty4000\widowpenalty4000
12721 \sfcode`\.\@m
12722 \let\NAT@bibitem@first@sw\@firstoftwo
12723 \let\citeN\cite \let\shortcite\cite
12724 \let\citeasnoun\cite
12725 }{

```



```

12726 \bibitem@fin
12727 \bibpostamble
12728 \def\@noitemerr{%
12729   \PackageWarning{natbib}{Empty `thebibliography' environment}%
12730 }%
12731 \endlist
12732 \bibcleanup
12733 }%

```

7.83 newfloat-xetex-bidi.def

```

12734 \ProvidesFile{newfloat-xetex-bidi.def}[2013/05/22 v0.1 bidi adaptations for newfloat package for
12735 \renewcommand*\newfloat@setwithin[2]{%
12736   \ifcsname c@chapter\endcsname
12737     \@removefromreset{#1}{chapter}%
12738   \fi
12739   \@removefromreset{#1}{section}%
12740   \edef\@tempa{#2}%
12741   \ifx\@tempa\@empty
12742     \def\@tempa{none}%
12743   \fi
12744   \def\@tempb{none}%
12745   \ifx\@tempa\@tempb
12746     \ifcsname c@chapter\endcsname
12747       \@chapterlistsgap@off{#1}%
12748     \fi
12749     \newfloat@@setwithin{#1}{-}{-}%
12750   \else
12751     \def\@tempb{chapter}%
12752     \ifx\@tempa\@tempb
12753       \@addtoreset{#1}{chapter}%
12754       \@chapterlistsgap@on{#1}%
12755       \newfloat@@setwithin{#1}{\ifnum\c@chapter>\z@ \thechapter\@SepMark\fi}{\theHchapter\@SepMa
12756     \else
12757       \def\@tempb{section}%
12758       \ifx\@tempa\@tempb
12759         \@addtoreset{#1}{section}%
12760         \ifcsname c@chapter\endcsname
12761           \@addtoreset{#1}{chapter}%
12762           \@chapterlistsgap@on{#1}%
12763         \newfloat@@setwithin{#1}{\thesection\@SepMark}{\theHsection\@SepMark}%
12764       \else
12765         \newfloat@@setwithin{#1}{\ifnum\c@section>\z@ \thesection\@SepMark\fi}{\theHsection\@Se
12766       \fi
12767     \else
12768       \newfloat@Error{Invalid value `#2' for option `within'}%
12769     \fi
12770   \fi
12771 \fi}

```



7.84 ntheorem-xetex-bidi.def

```
12772 \ProvidesFile{ntheorem-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem package for
12773 \gdef\@thm#1#2#3{%
12774   \if@thmmarks
12775     \stepcounter{end\InTheoType ctr}%
12776   \fi
12777   \renewcommand{\InTheoType}{#1}%
12778   \if@thmmarks
12779     \stepcounter{curr#1ctr}%
12780     \setcounter{end#1ctr}{0}%
12781   \fi
12782   \refstepcounter{#2}%
12783   \theorem@prework
12784   \thm@topsepadd \theorempostskipamount % cf. latex.ltx: \@trivlist
12785   \ifvmode \advance\thm@topsepadd\partopsep\fi
12786   \trivlist
12787   \@topsep \theorempreskipamount
12788   \@topsepadd \thm@topsepadd % used by \endparenv
12789   \advance\linewidth -\theorem@indent
12790   \advance\@totalleftmargin \theorem@indent
12791   \if@RTL\parshape \@one Opt \linewidth\else \parshape \@one \@totalleftmargin \linewidth\fi
12792   \@ifnextchar[{\@ythm{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}}
```

7.85 ntheorem-hyper-xetex-bidi.def

```
12793 \ProvidesFile{ntheorem-hyper-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem-hype
12794 \gdef\@thm#1#2#3{%
12795   \if@thmmarks
12796     \stepcounter{end\InTheoType ctr}%
12797   \fi
12798   \renewcommand{\InTheoType}{#1}%
12799   \if@thmmarks
12800     \stepcounter{curr#1ctr}%
12801     \setcounter{end#1ctr}{0}%
12802   \fi
12803   \refstepcounter{#2}%
12804   \thm@topsepadd \theorempostskipamount % cf. latex.ltx: \@trivlist
12805   \ifvmode \advance\thm@topsepadd\partopsep\fi
12806   \trivlist
12807   \@topsep \theorempreskipamount
12808   \@topsepadd \thm@topsepadd % used by \endparenv
12809   \advance\linewidth -\theorem@indent
12810   \advance\@totalleftmargin \theorem@indent
12811   \if@RTL\parshape \@one Opt \linewidth\else \parshape \@one \@totalleftmargin \linewidth\fi
12812   \@ifnextchar[{\@ythm{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}}
```

7.86 pdfpages-xetex-bidi.def

```
12813 \ProvidesFile{pdfpages-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for pdfpages package for
12814 \renewcommand*{\includepdf}[2] [] {%
12815   \begingroup
```



```

12816 \RTLfalse
12817 \let\AM@threadname\relax
12818 \AM@split@options{pdfpages}{#1}%
12819 \edef\AM@temp{{pdfpages}{\the\@temptokena}}%
12820 \expandafter\setkeys\AM@temp
12821 \ifthenelse{\boolean{AM@pkg@draft} \and \boolean{AM@survey}}{%
12822   \let\AM@currentdocname\relax
12823   \renewcommand\includegraphics[2][]{Survey in draft-mode}%
12824   \def\AM@pagecount{0}%
12825 }{%
12826   \AM@findfile{#2}%
12827   \if\AM@threadname\relax
12828     \def\AM@threadname{\AM@currentdocname}%
12829   \fi
12830 }%
12831 \ifAM@survey
12832   \def\AM@pagestemp{}%
12833   \@tempcnta=0
12834   \def\foo{%
12835     \@ifundefined{r@\AM@xrprefix pdfpages@page\the\@tempcnta}%
12836     {\let\foo\relax}
12837     {\expandafter\ifx\expandafter\\AM@pagestemp\\
12838       \edef\AM@pagestemp{%
12839         \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}%
12840       \else
12841         \edef\AM@pagestemp{\AM@pagestemp,%
12842           \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}%
12843       \fi
12844       \advance\@tempcnta 1\relax
12845     }%
12846     \foo
12847   }%
12848   \foo
12849   \expandafter\ifx\expandafter\\AM@pagestemp\\
12850   \def\AM@pagestemp{1}%
12851 \fi
12852 \fi
12853 \ifAM@output
12854   \expandafter\AM@readlist\expandafter{\AM@pagestemp}%
12855   \AM@output{#1}%
12856 \fi
12857 \AM@CheckAtEnd
12858 \endgroup
12859 \AM@ClearShipoutPicture
12860 }

```

7.87 pgfcorescopes.code-xetex-bidi.def

```

12861 \ProvidesFile{pgfcorescopes.code-xetex-bidi.def}[2015/11/14 v0.1 bidi adaptations for pgf packa
12862 \def\pgfpicture{%

```



```

12863 \beginpgfgroup%
12864 \ifmmode\else\@RTLfalse\beginL\fi%
12865 \pgfpicturetrue%
12866 \global\advance\pgf@picture@serial@count by1\relax%
12867 \edef\pgfpictureid{\pgfid\the\pgf@picture@serial@count}%
12868 \let\pgf@nodecallback=\pgfutil@gobble%
12869 \pgf@picmaxx=-16000pt\relax%
12870 \pgf@picminx=16000pt\relax%
12871 \pgf@picmaxy=-16000pt\relax%
12872 \pgf@picminy=16000pt\relax%
12873 \pgf@relevantforpicturesizetrue%
12874 \pgf@resetpathsizes%
12875 \pgfutil@ifnextchar\bgroup\pgf@oldpicture\pgf@picture%
12876 \def\endpgfpicture{%
12877     \ifpgfrememberpicturepositiononpage%
12878         \hbox to0pt{\pgfsys@markposition{\pgfpictureid}}%
12879     \fi%
12880     % ok, now let's position the box
12881     \ifdim\pgf@picmaxx=-16000pt\relax%
12882         % empty picture. make size 0.
12883         \global\pgf@picmaxx=0pt\relax%
12884         \global\pgf@picminx=0pt\relax%
12885         \global\pgf@picmaxy=0pt\relax%
12886         \global\pgf@picminy=0pt\relax%
12887     \fi%
12888     % Shift baseline outside:
12889     \pgf@relevantforpicturesizefalse%
12890     \pgf@process{\pgf@baseline}%
12891     \xdef\pgf@shift@baseline{\the\pgf@y}%
12892     %
12893     \pgf@process{\pgf@trimleft}%
12894     \global\advance\pgf@x by-\pgf@picminx
12895     % prepare \hskip\pgf@trimleft@final.
12896     % note that \pgf@trimleft@final is also queried
12897     % by the pgf image externalization.
12898     \xdef\pgf@trimleft@final{-\the\pgf@x}%
12899     %
12900     \pgf@process{\pgf@trimright}%
12901     \global\advance\pgf@x by-\pgf@picmaxx
12902     % prepare \hskip\pgf@trimright@final.
12903     % note that \pgf@trimright@final is also queried
12904     % by the pgf image externalization.
12905     \xdef\pgf@trimright@final{\the\pgf@x}%
12906     %
12907     \pgf@remember@layerlist@globally
12908     \endpgfgroup%
12909     \hss%
12910     \egroup%
12911     \pgf@restore@layerlist@from@global
12912     \pgf@insertlayers%

```



```

12913         \endgroup%
12914         \pgfsys@discardpath%
12915         \endgroup%
12916         \pgfsys@endscope%
12917         \pgfsys@endpicture%
12918         \endgroup%
12919         \hss
12920     \egroup%
12921     \pgfsys@typesetpicturebox\pgfpic%
12922     \ifmmode\else\endL\fi%
12923 \endgroup%
12924 }

```

7.88 picinpar-xetex-bidi.def

```

12925 \ProvidesFile{picinpar-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for picinpar package for
12926 \long\def\@makewincaption#1#2{%
12927     \setbox\@tempboxa\hbox{\footnotesize{\bf #1:\enspace}{#2}}%
12928     \ifdim\wd\@tempboxa>\picwd
12929         {\footnotesize{\bf #1:\enspace}{#2\par}}
12930     \else
12931         \hbox to\picwd{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}
12932     \fi}
12933 \def\endwindow{%
12934     \global\tcd=\tcdsav
12935     \egroup\vskip\parskip\parshape=0 % reset parshape; end \box\rawtext
12936     \vbadness=10000
12937     \splittopskip=0pt
12938 %
12939 % Typeset the lines above the window
12940 %
12941 \ifnum\tcd>0\setbox\holder=\vsplit\rawtext to \tcd\baselineskip
12942 \tcn=\tcd
12943 \loop\advance\tcn -1
12944 \setbox\fslice=\vsplit\holder to\baselineskip
12945 \prune\fslice\linewidth
12946 \topheight=0pt
12947 \ifnum\dp\fslice>\dp\wstrutbox
12948     \advance\topheight-\dp\fslice
12949     \advance\topheight\dp\wstrutbox
12950     \advance\topheight\ilg\fi
12951 \hbox to\linewidth{\box\fslice}
12952 \vskip-\topheight
12953 \ifdim\ht\holder>0pt\repeat
12954 \fi
12955 %
12956 % Now we build the boxes beside the window
12957 %
12958 \global\topheight=\tcl\baselineskip
12959 \ifnum\cumpartcl>0\global\tcl=\cumtcl

```



```

12960      \global\topheight=\vpic
12961 \fi
12962 \ifnum\bl>0 \ifnum\br>0 \multiply\topheight by 2\fi\fi
12963 \ifnum\bl>0\setbox\holder=\vsplit\rawtext to\topheight
12964 \else\ifnum\br>0\setbox\holder=\vsplit\rawtext to\topheight\fi\fi
12965 \tcn=\tcl \na=0 \nb=0
12966 \ifnum\bl>0 \ifnum\br>0 \multiply\tcn by 2\fi\fi
12967 \ifnum\bl>0\na=\tcn\ifnum\br>0\divide\na by 2\fi\fi
12968 \ifnum\br>0\nb=\tcn\ifnum\bl>0\divide\nb by 2\fi\fi
12969 \ifnum\na=0\ifnum\nb=0
12970      \setbox\waslice=\vbox to\vpic{\vss}
12971      \setbox\wbslice=\vbox to\vpic{\vss}
12972      \bl=1\br=1
12973      \vskip\ilg
12974 \fi\fi
12975 %
12976 % both sides
12977 %
12978 \ifnum\na>0 \ifnum\nb>0
12979 \loop\advance\nb -1
12980 \advance\na -1
12981 \if@RTL%
12982 \setbox\bslice=\vsplit\holder to\baselineskip
12983 \prune\bslice\rtside
12984 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
12985 to\rtside{\box\bslice\hfil}}
12986 \setbox\aslice=\vsplit\holder to\baselineskip
12987 \prune\aslice\lftside
12988 \setbox\waslice=\vbox{\unvbox\waslice\hbox
12989 to\lftside{\box\aslice\hfil}}
12990 \else%
12991 \setbox\aslice=\vsplit\holder to\baselineskip
12992 \prune\aslice\lftside
12993 \setbox\waslice=\vbox{\unvbox\waslice\hbox
12994 to\lftside{\box\aslice\hfil}}
12995 \setbox\bslice=\vsplit\holder to\baselineskip
12996 \prune\bslice\rtside
12997 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
12998 to\rtside{\box\bslice\hfil}}
12999 \fi%
13000 \ifnum\nb>0\repeat
13001 \fi\fi
13002 %
13003 % only text on the left side
13004 %
13005 \ifnum\na>0
13006      \loop\advance\na -1
13007      \setbox\aslice=\vsplit\holder to\baselineskip
13008      \prune\aslice\lftside
13009      \setbox\waslice=\vbox{\unvbox\waslice\hbox

```



```

13010 to\leftside{\box\aslice\hfil}}
13011 \ifdim\ht\holder>0pt\repeat
13012 \fi
13013 %
13014 % only text on the right side
13015 %
13016 \ifnum\nb>0
13017 \loop\advance\nb -1
13018 \setbox\bslice=vsplit\holder to\baselineskip
13019 \prune\bslice\rtside
13020 \setbox\wbslice=vbox{\unvbox\wbslice\hbox
13021 to\rtside{\box\bslice\hfil}}
13022 \ifdim\ht\holder>0pt\repeat
13023 \fi
13024 %
13025 % fixing the dimensions of the window part
13026 %
13027 \ifnum\bl=0\topheight=\ht\wbslice
13028 \else\ifnum\br=0\topheight=\ht\waslice
13029 \else\ifdim\ht\waslice>\ht\wbslice\topheight=\ht\waslice
13030 \else\topheight=\ht\wbslice\fi\fi\fi
13031 %
13032 % ship out the window material to the main vertical list
13033 %
13034 \ifnum\bl>0 \ifnum\br>0 \ifdim\ht\wbslice<\topheight
13035 \setbox\wbslice=vbox to\topheight{\box\wbslice\vfill}
13036 \fi\fi\fi
13037 \setbox>windowbox=vbox{\hbox to\linewidth{%
13038 \ifnum\bl>0\box\waslice\hfill\fi%
13039 \vbox to\topheight{\hrule width\picwd height0pt depth0pt\vskip0pt%
13040 \vfill\unvbox\picbox%
13041 \ifnum\picwd>0\vfill\fi%
13042 \vss}\ifnum\br>0\hfill\vbox{\box\wbslice}\fi}}%
13043 \unvbox>windowbox%
13044 \loop
13045 \setbox\bslice=vsplit\rawtext to\baselineskip
13046 \prune\bslice\linewidth
13047 \setbox\wbslice=vbox{\hbox to\linewidth{\box\bslice\hfil}}
13048 \unvbox\wbslice
13049 \ifdim\ht\rawtext>0pt
13050 \repeat
13051 }% FINITO

```

7.89 plain-xetex-bidi.def

```

13052 \def\TeXeTOn{\TeXeTstate=1 }
13053 \def\TeXeTOff{\TeXeTstate=0 }
13054 \TeXeTOn
13055 \def\usebox#1{\leavevmode\copy #1\relax}
13056 \def\bidi@RTL@everypar{\setbox\z@\lastbox\if@RTL\beginR\else\beginL\fi\ifvoid\z@\else\usebox

```



```

13057 \let\bidio@everypar=\everypar
13058 \newtoks\bidin@everypar
13059 \bidin@everypar\expandafter{\the\bidio@everypar}
13060 \bidio@everypar{\bidin@RTL@everypar\the\bidin@everypar}
13061 \let\everypar=\bidin@everypar
13062 \def\moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}
13063 \def\moreLRE{\bracetext \aftergroup\endR \beginR\@RTLtrue}
13064 \protected\def\hboxR{\hbox\bgroup
13065 \everyhbox{%
13066 \aftergroup\egroup
13067 \everyhbox{}}%
13068 \beginR
13069 \bgroup
13070 \aftergroup\endR
13071 \aftergroup\egroup
13072 }\hbox}
13073 \protected\def\hboxL{\hbox\bgroup
13074 \everyhbox{%
13075 \aftergroup\egroup
13076 \everyhbox{}}%
13077 \beginL
13078 \bgroup
13079 \aftergroup\endL
13080 \aftergroup\egroup
13081 }\hbox}
13082 \protected\def\vboxR{\vbox\bgroup
13083 \everyvbox{%
13084 \aftergroup\egroup
13085 \everyvbox{}}%
13086 \@RTLtrue
13087 \bgroup
13088 \aftergroup\egroup
13089 }\vbox}
13090 \protected\def\vboxL{\vbox\bgroup
13091 \everyvbox{%
13092 \aftergroup\egroup
13093 \everyvbox{}}%
13094 \@RTLfalse
13095 \bgroup
13096 \aftergroup\egroup
13097 }\vbox}
13098 \def\LTR{\par\@RTLfalse\@RTL@footnotefalse\hsize\linewidth\parshape\z@}
13099 \def\endLTR{\par}
13100 \def\RTL{\par\@RTLtrue\@RTL@footnotetrue\hsize\linewidth\parshape\z@}
13101 \def\endRTL{\par}
13102 \def\setRTL{\@RTLtrue\@RTL@footnotetrue}
13103 \def\setLTR{\@RTLfalse\@RTL@footnotefalse}
13104 \let\unsetRTL=\setLTR
13105 \let\unsetLTR=\setRTL
13106 \let\LR=\LRE

```



```

13107 \let\RL=\RLE
13108 \def\@ensure@RTL#1{\if@RTL#1\else\RLE{#1}\fi}
13109 \def\@ensure@LTR#1{\if@RTL\LRE{#1}\else#1\fi}
13110 \let\@ensure@RL=\@ensure@RTL
13111 \let\@ensure@LR=\@ensure@LTR
13112 \def\@ensure@dir#1{\if@RTL\RLE{#1}\else{#1}\fi}
13113 \let\@ensure@maindir=\@ensure@dir
13114 \def\@RTL{RTL}
13115 \def\@LTR{LTR}
13116 \def\save@dir{\if@RTL\gdef\saved@dir{RTL}\else\gdef\saved@dir{LTR}\fi}
13117 \def\reset@dir{\ifx\saved@dir\@RTL\setRTL\else\ifx\saved@dir\@LTR\setLTR\else\relax\fi\fi}
13118 \let\@TeX\TeX
13119 \def\TeX{\@ensure@LTR{\@TeX}}
13120 \long\def\@bidi@reflect@box#1{%
13121   \leavevmode
13122   \setbox\z@\hbox{#1}%
13123   \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:grestore}}%
13124   \hbox to \wd\z@{\kern\wd\z@\box\tw@\hss}%
13125 }
13126 \def\XeTeX{\LR{\leavevmode$\smash{\hbox{X}\lower.5ex
13127   \hbox{\kern-.125em\@bidi@reflect@box{E}}\kern-.1667em \TeX}}$}}
13128 \let\setRL=\setRTL
13129 \let\setLR=\setLTR
13130 \let\unsetRL=\setLTR
13131 \let\@bidi@saved@eqno=\eqno
13132 \let\@bidi@saved@leqno=\leqno
13133 \def\eqno{\ifnum\predisplaydirection<\z@ \@bidi@saved@leqno \else \@bidi@saved@eqno \fi}
13134 \def\leqno{\ifnum\predisplaydirection<\z@ \@bidi@saved@eqno \else \@bidi@saved@leqno \fi}
13135 \def\centerline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}
13136 \def\leftline#1{\line{\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}
13137 \def\rightline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi}}

```

7.90 pstricks-xetex-bidi.def

```

13138 \ProvidesFile{pstricks-xetex-bidi.def}[2015/11/14 v0.4 bidi adaptations for pstricks package for
13139 \def\pspicture{\begingroup\ifmmode\else\@RTLfalse\beginL\fi\pst@ifstar\pst@picture}
13140 \def\endpspicture{%
13141   \ifshowgrid\ifnum\showgridp>0
13142     \psgrid[xunit=\sh@wgridXunit,yunit=\sh@wgridYunit,style=gridstyle]\fi\fi%
13143   \pst@killglue
13144   % \global\pst@shift=\pst@shift% in fact of the following endgroup
13145   \endgroup
13146   \egroup
13147   \ifdim\wd\pst@hbox=\z@\else
13148     %\@pstrickserr{Extraneous space in the pspicture environment}%
13149     %\Type \space <return> \space to proceed.}%
13150   \fi
13151   \ht\pst@hbox=\pst@dimd
13152   \dp\pst@hbox=-\pst@dimb
13153   \setbox\pst@hbox=\hbox{%

```




```

13154 \kern-\pst@dima
13155 % Orig version -----
13156 %\ifx\pst@tempa\@empty\else
13157 %\advance\pst@dimd-\pst@dimb
13158 %\pst@dimd=\pst@tempa\pst@dimd
13159 %\advance\pst@dimd\pst@dimb
13160 %\lower\pst@dimd
13161 %\fi
13162 %----- end Orig
13163 \ifPst@shift@star%\typeout{==pstricks== old behaviour of the shift option}% shift=*
13164 \advance\pst@dimd-\pst@dimb
13165 \pst@dimd=0.5\pst@dimd
13166 \else\pst@dimd-\pst@shift\fi
13167 \advance\pst@dimd\pst@dimb
13168 \lower\pst@dimd%
13169 \box\pst@hbox%
13170 \kern\pst@dimc}%
13171 \ifstar\setbox\pst@hbox=\hbox{\clipbox@@\z@}\fi%
13172 \leavevmode\box\pst@hbox%
13173 \ifmmode\else\endL\fi%
13174 \endgroup%
13175 \psset{pstricks}{shift=0}% reset value
13176 }

```

7.91 quotchap-xetex-bidi.def

```

13177 \ProvidesFile{quotchap-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for quotchap package for
13178 \renewcommand{\qauthor}[1]{%
13179 \par\smallskip
13180 {\if@RTL\raggedright\else\raggedleft\fi\upshape #1\qqquad\hbox{\par}\bigskip}
13181 \renewcommand{\@makechapterhead}[1]{\chapterheadstartvskip%
13182 {\size@chapter{\sectfont\if@RTL\raggedright\else\raggedleft\fi
13183 {\chapnumfont
13184 \ifnum \c@secnumdepth >\m@ne%
13185 \if@mainmatter\thechapter%
13186 \fi\fi
13187 \par\nobreak}%
13188 {\if@RTL\raggedright\else\raggedleft\fi\advance\if@RTL\rightmargin\else\leftmargin\fi10em
13189 \nobreak\chapterheadendvskip}}
13190 \renewcommand*{\@iprintcites}{%
13191 \vbox to\z@{\leavevmode\copy\@quotebox\vss}
13192 \global\let\@printcites\relax}

```

7.92 ragged2e-xetex-bidi.def

```

13193 \ProvidesFile{ragged2e-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for ragged2e package for
13194 \renewcommand{\Centering}{%
13195 \ifx\\ \@raggedtwoe@savedcr
13196 \let\\ \@centercr
13197 \fi
13198 \let\@gnewline\@raggedtwoe@gnewline

```



```

13199 \if@RTL\righskip\else\leftskip\fi\CenteringLeftskip
13200 \@rightskip\CenteringRightskip
13201 \if@RTL\leftskip\else\righskip\fi\@rightskip
13202 \parfillskip\CenteringParfillskip
13203 \parindent\CenteringParindent
13204 \@raggedtwo@spaceskiptrue
13205 \@raggedtwo@everyselectfont
13206 }
13207 \renewcommand{\RaggedLeft}{%
13208 \ifx\\ \@raggedtwo@savedcr
13209 \let\\ @centercr
13210 \fi
13211 \let\@newline \@raggedtwo@gnewline
13212 \if@RTL\righskip\else\leftskip\fi\RaggedLeftLeftskip
13213 \@rightskip\RaggedLeftRightskip
13214 \if@RTL\leftskip\else\righskip\fi\@rightskip
13215 \parfillskip\RaggedLeftParfillskip
13216 \parindent\RaggedLeftParindent
13217 \@raggedtwo@spaceskiptrue
13218 \@raggedtwo@everyselectfont
13219 }
13220 \renewcommand{\RaggedRight}{%
13221 \ifx\\ \@raggedtwo@savedcr
13222 \let\\ @centercr
13223 \fi
13224 \let\@newline \@raggedtwo@gnewline
13225 \if@RTL\righskip\else\leftskip\fi\RaggedRightLeftskip
13226 \@rightskip\RaggedRightRightskip
13227 \if@RTL\leftskip\else\righskip\fi\@rightskip
13228 \parfillskip\RaggedRightParfillskip
13229 \parindent\RaggedRightParindent
13230 \@raggedtwo@spaceskiptrue
13231 \@raggedtwo@everyselectfont
13232 }
13233 \renewcommand{\justifying}{%
13234 \let\\ \@raggedtwo@savedcr
13235 \let\@newline \@raggedtwo@saved@gnewline
13236 \if@RTL\righskip\else\leftskip\fi\z@
13237 \@rightskip\z@
13238 \if@RTL\leftskip\else\righskip\fi\@rightskip
13239 \parfillskip\JustifyingParfillskip
13240 \parindent\JustifyingParindent
13241 \@raggedtwo@spaceskipfalse
13242 \@raggedtwo@everyselectfont
13243 }
13244 \renewcommand*{\@raggedtwo@raggedrightboxes@opt}{
13245 \CheckCommand*{\@arrayparboxrestore}{%
13246 \let\if@nbreak\iffalse
13247 \let\if@noskipsec\iffalse
13248 \let\par\@par

```



```

13249 \let\-\@dischyph
13250 \let'\@acci\let'\@accii\let\=\@acciii
13251 \parindent\z@ \parskip\z@skip
13252 \everypar{}%
13253 \linewidth\hsize
13254 \@totalleftmargin\z@
13255 \if@RTL\rightskip\else\leftskip\fi\z@skip \if@RTL\leftskip\else\rightskip\fi\z@skip \@right
13256 \parfillskip\@flushglue \lineskip\normallineskip
13257 \baselineskip\normalbaselineskip
13258 \sloppy}%
13259 \renewcommand{\@arrayparboxrestore}{%
13260 \let\if@nobreak\iffalse
13261 \let\if@noskipsec\iffalse
13262 \let\par\@par
13263 \let\-\@dischyph
13264 \let'\@acci\let'\@accii\let\=\@acciii
13265 \parskip\z@skip
13266 \everypar{}%
13267 \linewidth\hsize
13268 \@totalleftmargin\z@
13269 \RaggedRight
13270 \lineskip\normallineskip
13271 \baselineskip\normalbaselineskip
13272 \sloppy}%
13273 \let\@raggedtwoe@raggedrightboxes@opt\relax
13274 }
13275 \let\origin@RaggedLeft=\RaggedLeft
13276 \let\origin@RaggedRight=\RaggedRight
13277 \def\RaggedLeft{\if@RTL\origin@RaggedRight\else\origin@RaggedLeft\fi}
13278 \def\RaggedRight{\if@RTL\origin@RaggedLeft\else\origin@RaggedRight\fi}

```

7.93 rapport1-xetex-bidi.def

```

13279 \ProvidesFile{rapport1-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for rapport1 class for X
13280 \renewenvironment{theindex}{%
13281 \if@twocolumn
13282 \@restonecolfalse
13283 \else
13284 \@restonecoltrue
13285 \fi
13286 \columnseprule \z@
13287 \columnsep 35\p@
13288 \twocolumn[\@makeschapterhead{\indexname}]%
13289 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
13290 \thispagestyle{plain}\parindent\z@
13291 \parskip\z@ \@plus .3\p@\relax
13292 \let\item\@idxitem
13293 }{%
13294 \if@restonecol\onecolumn\else\clearpage\fi}
13295 \renewcommand*\head@style{%

```



```

13296 \interlinepenalty \@M
13297 \hyphenpenalty=\@M \exhyphenpenalty=\@M
13298 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
13299 \if@titlepage
13300 \renewenvironment{abstract}{%
13301 \titlepage
13302 \null\vfil
13303 \section*{\SectFont\abstractname}%
13304 \noindent\ignorespaces}
13305 {\par\vfil\null\endtitlepage}
13306 \else
13307 \renewenvironment{abstract}{%
13308 \if@twocolumn
13309 \section*{\abstractname}%
13310 \else
13311 \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
13312 \section*{\small\SectFont\abstractname}%
13313 \noindent\ignorespaces
13314 \fi}
13315 {\if@twocolumn\else\par\egroup\fi}
13316 \fi
13317 \renewcommand*\@regtocline[3]{%
13318 \ifnum #1>\c@tocdepth
13319 \else
13320 \vskip\z@\@plus.2\p@
13321 {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
13322 \if@RTL\rightskip\else\leftskip\fi\unitindent
13323 \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
13324 \parfillskip\z@
13325 \@tempdima\unitindent
13326 \parindent\z@
13327 \leavevmode
13328 \hbox{ }\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
13329 \hskip 1em \nobreak{\slshape #3}\par
13330 }%
13331 \fi}
13332 \if@oldtoc
13333 \renewcommand*\l@part[2]{%
13334 \ifnum \c@tocdepth >-2\relax
13335 \addpenalty{-\@highpenalty}%
13336 \addvspace{2.25em \@plus\p@}%
13337 \begingroup
13338 \setlength\@tempdima{3em}%
13339 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
13340 \parfillskip -\@pnumwidth
13341 {\leavevmode
13342 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
13343 \nobreak
13344 \global\@nobreaktrue
13345 \everypar{\global\@nobreakfalse\everypar{}}%

```



```

13346 \endgroup
13347 \fi}
13348 \else
13349 \renewcommand*\l@part{%
13350 \ifnum \c@tocdepth >-2\relax
13351 \addpenalty{-\@highpenalty}%
13352 \addvspace{2.25em \@plus \p@}%
13353 \@regtocline{0}%
13354 \fi}
13355 \fi
13356 \if@oldtoc
13357 \renewcommand*\l@chapter[2]{%
13358 \addpenalty{-\@highpenalty}%
13359 \vskip 1.0em \@plus \p@
13360 \setlength\@tempdima{1.5em}%
13361 \begingroup
13362 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
13363 \parfillskip -\@pnumwidth
13364 \leavevmode \bfseries
13365 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
13366 \hskip -\if@RTL\rightskip\else\leftskip\fi
13367 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
13368 \penalty\@highpenalty
13369 \endgroup}
13370 \else
13371 \renewcommand*\l@chapter{\@regtocline{0}}
13372 \fi
13373 \renewcommand*\left@footnoterule{%
13374 \kern-3\p@
13375 \kern.5\baselineskip
13376 \hrule\@width\unitindent
13377 \kern.4\baselineskip
13378 }
13379 \renewcommand*\right@footnoterule{%
13380 \kern-3\p@
13381 \kern.5\baselineskip
13382 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
13383 \kern.4\baselineskip}
13384 \renewenvironment{thebibliography}[1]
13385 {\chapter*\bibname}%
13386 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
13387 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
13388 \list{\@biblabel{\@arabic\c@enumiv}}%
13389 {\settowidth\labelwidth{\@biblabel{#1}}%
13390 \leftmargin\labelwidth
13391 \advance\leftmargin\labelsep
13392 \@openbib@code
13393 \usecounter{enumiv}%
13394 \let\p@enumiv\empty
13395 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%

```



```

13396      \sloppy\clubpenalty4000\widowpenalty4000%
13397      \sfcode`.\@m}
13398      {\def\@noitemerr
13399        {\@latex@warning{Empty `thebibliography' environment}}}%
13400      \endlist}
13401 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
13402 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
13403 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
13404 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
13405 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
13406 \renewcommand*\theequation{%
13407   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
13408 \renewcommand*\thefigure{%
13409   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
13410 \renewcommand*\thetable{%
13411   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
13412 \if@titlepage
13413 \renewcommand*\TitleFont{\rmfamily}
13414 \renewcommand*\maketitle{%
13415   \begin{titlepage}%
13416     \let\footnotesize\small
13417     \let\right@footnoterule\relax
13418     \let\left@footnoterule\relax
13419     \let\textwidth@footnoterule\relax
13420     \let \footnote \thanks
13421     \long\def\@makefntext##1{\parindent\z@
13422       \def\labelitemi{\textendash}\@revlabeltrue
13423       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
13424     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
13425     \if@compatibility\setcounter{page}{0}\fi
13426     \null\vfil
13427     \vskip 60\p@
13428     \begin{center}%
13429       \TitleFont
13430       {\LARGE \def\\{\penalty -\@M}
13431         \if@allcaps
13432           \expandafter\uc@nothanks\@title\thanks\relax
13433         \else
13434           \@title
13435         \fi\par}%
13436       \vskip 3em%
13437       {\large
13438         \lineskip .75em \parindent\z@
13439         \begin{tabular}[t]{c}%
13440           \if@allcaps
13441             \expandafter\uc@authornothanks\@author\and\relax
13442           \else
13443             \@author
13444           \fi
13445         \end{tabular}\par}%

```



```

13446     \vskip 1.5em%
13447     {\large
13448     \if@allcaps
13449     \uppercase\expandafter{\@date}%
13450     \else
13451     \@date
13452     \fi\par}%
13453     \end{center}\par
13454     \@thanks
13455     \vfil\null
13456 \end{titlepage}%
13457 \setcounter{footnote}{0}%
13458 \global\let\thanks\relax
13459 \global\let\maketitle\relax
13460 \global\let\@thanks\@empty
13461 \global\let\@author\@empty
13462 \global\let\@title\@empty
13463 \global\let\@date\@empty
13464 \global\let\title\relax
13465 \global\let\author\relax
13466 \global\let\date\relax
13467 \global\let\and\relax
13468 }
13469 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
13470 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
13471     \futurelet\@tempa\uc@ax}
13472 \def\uc@ax{%
13473     \ifx\@tempa\relax
13474     \else
13475     \ \andname \ \expandafter\uc@authornothanks
13476     \fi}
13477 \def\uc@tx{\ifx\@tempa\relax
13478     \else \expandafter\uc@ty \fi}
13479 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
13480 \else
13481 \renewcommand*\maketitle{\par
13482     \begingroup
13483     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
13484     \def\@makefnmark{\rlap{%
13485         \@textsuperscript{\normalfont\@thefnmark}}}%
13486     \long\def\@makefntext{\@xmakefntext{%
13487         \@textsuperscript{\normalfont\@thefnmark}}}%
13488     \if@twocolumn
13489     \ifnum \col@number=\@ne
13490     \@maketitle
13491     \else
13492     \twocolumn[\@maketitle]%
13493     \fi
13494     \else
13495     \newpage

```



```

13496     \global\@topnum\z@
13497     \@maketitle
13498     \fi
13499     \thispagestyle{plain}\@thanks
13500 \endgroup
13501 \setcounter{footnote}{0}%
13502 \global\let\thanks\relax
13503 \global\let\maketitle\relax
13504 \global\let\@maketitle\relax
13505 \global\let\@thanks\@empty
13506 \global\let\@author\@empty
13507 \global\let\@title\@empty
13508 \global\let\@date\@empty
13509 \global\let\title\relax
13510 \global\let\author\relax
13511 \global\let\date\relax
13512 \global\let\and\relax
13513 }
13514 \def\@maketitle{%
13515   \newpage
13516   \null
13517   \vskip 2em%
13518   \begin{center}%
13519     \let \footnote \thanks
13520     {\LARGE \TitleFont \@title \par}%
13521     \vskip 1.5em%
13522     {\large \TitleFont
13523       \lineskip .5em%
13524       \begin{tabular}[t]{c}%
13525         \@author
13526       \end{tabular}\par}%
13527     \vskip 1em%
13528     {\large \TitleFont \@date}%
13529   \end{center}%
13530   \par
13531   \vskip 1.5em}
13532 \fi

```

7.94 rapport3-xetex-bidi.def

```

13533 \ProvidesFile{rapport3-xetex-bidi.def}[2015/11/14 v0.5 bidi adaptations for rapport3 class for X
13534 \renewenvironment{theindex}{%
13535   \if@twocolumn
13536     \@restonecolfalse
13537   \else
13538     \@restonecoltrue
13539   \fi
13540   \columnseprule \z@
13541   \columnsep 35\p@
13542   \twocolumn[\@makeschapterhead{\indexname}]%

```




```

13543 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
13544 \thispagestyle{plain}\parindent\z@
13545 \parskip\z@ \@plus .3\p@\relax
13546 \let\item\@idxitem
13547 }{%
13548 \if@restonecol\onecolumn\else\clearpage\fi}
13549 \if@titlepage
13550 \renewcommand*\TitleFont{\rmfamily}
13551 \renewcommand*\maketitle{%
13552 \begin{titlepage}%
13553 \let\footnotesize\small
13554 \let\right@footnoterule\relax
13555 \let\left@footnoterule\relax
13556 \let\textwidth@footnoterule\relax
13557 \let\footnote\thanks
13558 \let\LTRfootnote\LTRthanks
13559 \let\RTLfootnote\RTLthanks
13560 \long\def\@makefnmark##1{\parindent\z@
13561 \def\labelitemi{\textendash}\@revlabeltrue
13562 \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
13563 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
13564 \if@compatibility\setcounter{page}{0}\fi
13565 \null\vfil
13566 \vskip 60\p@
13567 \begin{center}%
13568 \TitleFont
13569 {\LARGE \def\\{\penalty -\@M}
13570 \if@allcaps
13571 \expandafter\uc@nothanks\@title\thanks\relax
13572 \else
13573 \@title
13574 \fi\par}%
13575 \vskip 3em%
13576 {\large
13577 \lineskip .75em \parindent\z@
13578 \begin{tabular}[t]{c}%
13579 \if@allcaps
13580 \expandafter\uc@authornothanks\@author\and\relax
13581 \else
13582 \@author
13583 \fi
13584 \end{tabular}\par}%
13585 \vskip 1.5em%
13586 {\large
13587 \if@allcaps
13588 \uppercase\expandafter{\@date}%
13589 \else
13590 \@date
13591 \fi\par}%
13592 \end{center}\par

```



```

13593 \@thanks
13594 \vfil\null
13595 \end{titlepage}%
13596 \setcounter{footnote}{0}%
13597 \global\let\thanks\relax
13598 \global\let\LTRthanks\relax
13599 \global\let\RTLthanks\relax
13600 \global\let\maketitle\relax
13601 \global\let\@thanks\@empty
13602 \global\let\@author\@empty
13603 \global\let\@title\@empty
13604 \global\let\@date\@empty
13605 \global\let\title\relax
13606 \global\let\author\relax
13607 \global\let\date\relax
13608 \global\let\and\relax
13609 }
13610 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
13611 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
13612 \futurelet\@tempa\uc@ax}
13613 \def\uc@ax{%
13614 \ifx\@tempa\relax
13615 \else
13616 \\\andname \\\expandafter\uc@authornothanks
13617 \fi}
13618 \def\uc@tx{\ifx\@tempa\relax
13619 \else \expandafter\uc@ty \fi}
13620 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
13621 \else
13622 \renewcommand*\maketitle{\par
13623 \begingroup
13624 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
13625 \def\@makefnmark{\rlap{%
13626 \@textsuperscript{\normalfont\@thefnmark}}}%
13627 \long\def\@makefntext{\@xmakefntext{%
13628 \@textsuperscript{\normalfont\@thefnmark}}}%
13629 \if@twocolumn
13630 \ifnum \col@number=\@one
13631 \@maketitle
13632 \else
13633 \twocolumn[\@maketitle]%
13634 \fi
13635 \else
13636 \newpage
13637 \global\@topnum\z@
13638 \@maketitle
13639 \fi
13640 \thispagestyle{plain}\@thanks
13641 \endgroup
13642 \setcounter{footnote}{0}%

```



```

13643 \global\let\thanks\relax
13644 \global\let\LTRthanks\relax
13645 \global\let\RTLthanks\relax
13646 \global\let\maketitle\relax
13647 \global\let\@maketitle\relax
13648 \global\let\@thanks\@empty
13649 \global\let\@author\@empty
13650 \global\let\@title\@empty
13651 \global\let\@date\@empty
13652 \global\let\title\relax
13653 \global\let\author\relax
13654 \global\let\date\relax
13655 \global\let\and\relax
13656 }
13657 \def\@maketitle{%
13658   \newpage
13659   \null
13660   \vskip 2em%
13661   \if@titlecentered
13662     \begin{center}%
13663       \let \footnote \thanks
13664       \let \LTRfootnote \LTRthanks
13665       \let \RTLfootnote \RTLthanks
13666       {\LARGE \TitleFont \@title \par}%
13667       \vskip 1.5em%
13668       {\large \TitleFont
13669         \lineskip .5em%
13670         \begin{tabular}[t]{c}%
13671           \@author
13672         \end{tabular}\par}%
13673       \vskip 1em%
13674       {\large \TitleFont \@date}%
13675     \end{center}%
13676   \else
13677     {\LARGE \TitleFont \head@style \@title \par} \vskip 1.5em
13678     {\large \TitleFont \lineskip .5em \tabcolsep\z@
13679       \def\and{%% \begin{tabular} has already started
13680         \end{tabular}\hskip 1em plus .17fil
13681         \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi}%% \end{tabular} will
13682         \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi\@author\end{tabular}\par}
13683       \vskip 1em {\large \TitleFont \@date}
13684     \fi
13685     \par
13686     \vskip 1.5em}
13687   \fi
13688   \renewcommand*\@regtocline[3]{%
13689     \ifnum #1>\c@tocdepth
13690     \else
13691       \vskip\z@\@plus.2\p@
13692       {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M

```



```

13693 \if@RTL\rightskip\else\leftskip\fi\unitindent
13694 \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
13695 \parfillskip\z@
13696 \@tempdima\unitindent
13697 \parindent\z@
13698 \leavevmode
13699 \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
13700 \hskip 1em \nobreak{\slshape #3}\par
13701 }%
13702 \fi}
13703 \if@oldtoc
13704 \renewcommand*\l@part[2]{%
13705 \ifnum \c@tocdepth >-2\relax
13706 \addpenalty{-\@highpenalty}%
13707 \addvspace{2.25em \@plus\p@}%
13708 \begingroup
13709 \setlength\@tempdima{3em}%
13710 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
13711 \parfillskip -\@pnumwidth
13712 {\leavevmode
13713 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
13714 \nobreak
13715 \global\@nobreaktrue
13716 \everypar{\global\@nobreakfalse\everypar{}}}%
13717 \endgroup
13718 \fi}
13719 \else
13720 \renewcommand*\l@part{%
13721 \ifnum \c@tocdepth >-2\relax
13722 \addpenalty{-\@highpenalty}%
13723 \addvspace{2.25em \@plus\p@}%
13724 \@regtocline{0}%
13725 \fi}
13726 \fi
13727 \if@oldtoc
13728 \renewcommand*\l@chapter[2]{%
13729 \addpenalty{-\@highpenalty}%
13730 \vskip 1.0em \@plus\p@
13731 \setlength\@tempdima{1.5em}%
13732 \begingroup
13733 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
13734 \parfillskip -\@pnumwidth
13735 \leavevmode \bfseries
13736 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
13737 \hskip -\if@RTL\rightskip\else\leftskip\fi
13738 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
13739 \penalty\@highpenalty
13740 \endgroup}
13741 \else
13742 \renewcommand*\l@chapter{\@regtocline{0}}

```



```

13743 \fi
13744 \renewcommand*\head@style{%
13745     \interlinepenalty \@M
13746     \hyphenpenalty=\@M \exhyphenpenalty=\@M
13747     \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
13748 \if@titlepage
13749     \renewenvironment{abstract}{%
13750         \titlepage
13751         \null\vfil
13752         \section*{\SectFont\abstractname}%
13753         \noindent\ignorespaces}
13754     {\par\vfil\null\endtitlepage}
13755 \else
13756     \renewenvironment{abstract}{%
13757         \if@twocolumn
13758             \section*{\abstractname}%
13759         \else
13760             \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
13761             \section*{\small\SectFont\abstractname}%
13762             \noindent\ignorespaces
13763         \fi}
13764     {\if@twocolumn\else\par\egroup\fi}
13765 \fi
13766 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
13767 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\csubsection}
13768 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\csubsubsection}
13769 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\cparagraph}
13770 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\csubparagraph}
13771 \renewcommand*\thefigure{%
13772     \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
13773 \renewcommand*\thetable{%
13774     \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
13775 \renewcommand*\theequation{%
13776     \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@equation}
13777 \renewenvironment{thebibliography}[1]
13778     {\chapter*{\bibname}%
13779         \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
13780         \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
13781         \list{\@biblabel{\@arabic\c@enumiv}}%
13782             {\settowidth\labelwidth{\@biblabel{#1}}%
13783             \leftmargin\labelwidth
13784             \advance\leftmargin\labelsep
13785             \@openbib@code
13786             \usecounter{enumiv}%
13787             \let\p@enumiv\@empty
13788             \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
13789         \sloppy\clubpenalty4000\widowpenalty4000
13790         \sfcode`\.\@m}
13791     {\def\@noitemerr
13792         {\@latex@warning{Empty `thebibliography' environment}}}%

```



```

13793     \endlist}
13794 \renewcommand*\left@footnoterule{%
13795     \kern-3\p@
13796     \kern.5\baselineskip
13797     \hrule\@width\unitindent
13798     \kern.4\baselineskip
13799 }
13800 \renewcommand*\right@footnoterule{%
13801     \kern-3\p@
13802     \kern.5\baselineskip
13803     \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
13804     \kern.4\baselineskip}
13805 \renewcommand*\head@style{%
13806     \interlinepenalty \@M
13807     \hyphenpenalty=\@M \exhyphenpenalty=\@M
13808     \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}

```

7.95 refrep-xetex-bidi.def

```

13809 \ProvidesFile{refrep-xetex-bidi.def}[2015/11/14 v0.4 bidi adaptations for refrep class for XeTeX]
13810 \if@titlepage
13811     \renewcommand\maketitle{\begin{titlepage}%
13812         \let\footnotesize\small
13813         \let\right@footnoterule\relax
13814         \let\left@footnoterule\relax
13815         \let\textwidth\footnoterule\relax
13816         \let\footnote\thanks
13817         \let\LTRfootnote\LTRthanks
13818         \let\RTLfootnote\RTLthanks
13819         \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
13820         \def\@makefnmark%
13821             {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
13822         \long\def\@makefntext##1{%
13823             \setpar{\@par
13824                 \@tempdima = \hsize
13825                 \advance\@tempdima -1em
13826                 \parshape \@ne 1em \@tempdima}%
13827             \par\parindent 1em \noindent
13828             \hb@xt@\z@{\hss\@textsuperscript{\normalfont\@thefnmark}}\,##1}
13829         \null\vfil
13830         \vskip 60\p@
13831         \begin{center}%
13832             {\LARGE \@title \par}%
13833             \vskip 3em%
13834             {\large
13835                 \lineskip .75em%
13836                 \begin{tabular}[t]{c}%
13837                     \@author
13838                 \end{tabular}\par}%
13839             \vskip 1.5em%

```



```

13840    {\large \@date \par}%          % Set date in \large size.
13841    \end{center}\par
13842    \@thanks
13843    \vfil\null
13844    \end{titlepage}%
13845    \setcounter{footnote}{0}%
13846    \global\let\thanks\relax
13847    \global\let\LTRthanks\relax
13848    \global\let\RTLthanks\relax
13849    \global\let\maketitle\relax
13850    \global\let\@thanks\@empty
13851    \global\let\@author\@empty
13852    \global\let\@date\@empty
13853    \global\let\@title\@empty
13854    \global\let\title\relax
13855    \global\let\author\relax
13856    \global\let\date\relax
13857    \global\let\and\relax
13858    }
13859  \else
13860    \renewcommand\maketitle{\par
13861      \begingroup
13862        \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
13863        \def\@makefnmark%
13864          {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
13865        \long\def\@makefntext##1{%
13866          \@setpar{\@@par
13867            \@tempdima = \hsize
13868            \advance\@tempdima -1em
13869            \parshape \@ne 1em \@tempdima}%
13870          \par\parindent 1em \noindent
13871          \hb@xt@\z@{\hss\@textsuperscript{\normalfont\@thefnmark}\,}##1}
13872        \if@twocolumn
13873          \ifnum \col@number=\@ne
13874            \@maketitle
13875          \else
13876            \twocolumn[\@maketitle]%
13877          \fi
13878        \else
13879          \newpage
13880          \global\@topnum\z@ % Prevents figures from going at top of page.
13881          \@maketitle
13882        \fi
13883        \thispagestyle{empty}\@thanks
13884      \endgroup
13885      \setcounter{footnote}{0}%
13886      \global\let\thanks\relax
13887      \global\let\LTRthanks\relax
13888      \global\let\RTLthanks\relax
13889      \global\let\maketitle\relax

```



```

13890 \global\let\@maketitle\relax
13891 \global\let\@thanks\@empty
13892 \global\let\@author\@empty
13893 \global\let\@date\@empty
13894 \global\let\@title\@empty
13895 \global\let\title\relax
13896 \global\let\author\relax
13897 \global\let\date\relax
13898 \global\let\and\relax
13899 }
13900 \def\@maketitle{%
13901   \newpage
13902   \null
13903   \longthickrule\vskip1.5em%
13904   \let \footnote \thanks
13905   \let \LTRfootnote \LTRthanks
13906   \let \RTLfootnote \RTLthanks
13907   {\secshape \parskip\z@ \parindent\z@
13908   \Large\bfseries \@title \par}%
13909   \vskip1.5em\longthickrule\vskip1.5em%
13910   {\normalsize
13911     \lineskip .5em%
13912     \begin{flushright}%
13913       {\slshape\@author\par}
13914       \vskip 1em%
13915       {\@date}%
13916     \end{flushright}\par}%
13917   \vskip 1.5em}
13918 \fi
13919 \renewcommand*\l@part[2]{%
13920   \ifnum \c@tocdepth >-2\relax
13921     \addpenalty{-\@highpenalty}%
13922     \addvspace{2.25em \@plus\p@}%
13923     \begingroup
13924       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
13925       \parfillskip -\@pnumwidth
13926       {\leavevmode
13927         \large \bfseries #1\hfil \hbox to\@pnumwidth{\hss #2}}\par
13928       \nobreak
13929       \global\@nobraektrue
13930       \everypar{\global\@nobraekfalse\everypar{}}%
13931     \endgroup
13932   \fi}
13933 \renewcommand*\l@chapter[2]{%
13934   \ifnum \c@tocdepth >\m@ne
13935     \addpenalty{-\@highpenalty}%
13936     \vskip 1.0em \@plus\p@
13937     \setlength\@tempdima{1.5em}%
13938     \begingroup
13939     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth

```




```

13940 \parfillskip -\@pnumwidth
13941 \leavevmode \bfseries
13942 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
13943 \hskip -\if@RTL\rightskip\else\leftskip\fi
13944 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
13945 \penalty\@highpenalty
13946 \endgroup
13947 \fi}
13948 \renewcommand\secshape{\if@RTL\rightskip\else\leftskip\fi=-\leftmarginwidth%
13949 \if@RTL\leftskip\else\rightskip\fi=\@flushglue%
13950 \hyphenpenalty=2000}
13951 \renewcommand\left@footnoterule{%
13952 \kern-3\p@
13953 \hrule\@width.4\columnwidth
13954 \kern 2.6\p@}
13955 \renewcommand\right@footnoterule{%
13956 \kern-3\p@
13957 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
13958 \kern2.6\p@}
13959 \renewcommand\theequation
13960 {\ifnum \c@chapter>z@ \thechapter\@SepMark\fi \@arabic\c@equation}
13961 \renewcommand\thefigure
13962 {\ifnum \c@chapter>z@ \thechapter\@SepMark\fi \@arabic\c@figure}
13963 \renewcommand\thetable%
13964 {\ifnum \c@chapter>z@ \thechapter\@SepMark\fi \@arabic\c@table}
13965 \renewcommand\thesection {\thechapter\@SepMark\@arabic\c@section}
13966 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
13967 \renewcommand\thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
13968 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
13969 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
13970 \renewenvironment{thebibliography}[1]
13971 {\chapter*\bibname
13972 \@mkboth{\bibname}{\bibname}}%
13973 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
13974 \list{\@biblabel{\@arabic\c@enumiv}}%
13975 {\settowidth\labelwidth{\@biblabel{#1}}%
13976 \leftmargin\labelwidth
13977 \advance\leftmargin\labelsep
13978 \@openbib@code
13979 \usecounter{enumiv}%
13980 \let\p@enumiv\@empty
13981 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
13982 \sloppy
13983 \clubpenalty4000
13984 \@clubpenalty \clubpenalty
13985 \widowpenalty4000%
13986 \sfcode`\.=\@m}
13987 {\def\@noitemerr
13988 {\@latex@warning{Empty `thebibliography' environment}}%
13989 \endlist}

```



7.96 report-xetex-bidi.def

```

13990 \ProvidesFile{report-xetex-bidi.def}[2015/11/14 v0.7 bidi adaptations for standard report class]
13991 \renewenvironment{theindex}
13992     {\if@twocolumn
13993         \@restonecolfalse
13994     \else
13995         \@restonecoltrue
13996     \fi
13997     \columnseprule \z@
13998     \columnsep 35\p@
13999     \twocolumn[\@makeschapterhead{\indexname}]\%
14000     \@mkboth{\MakeUppercase\indexname}%
14001             {\MakeUppercase\indexname}%
14002     \thispagestyle{plain}\parindent\z@
14003     \parskip\z@ \@plus .3\p@\relax
14004     \let\item\@idxitem}
14005     {\if@restonecol\onecolumn\else\clearpage\fi}
14006 \if@titlepage
14007 \renewcommand\maketitle{\begin{titlepage}%
14008 \let\footnotesize\small
14009 \let\right@footnoterule\relax
14010 \let\left@footnoterule\relax
14011 \let\textwidth\footnoterule\relax
14012 \let \footnote \thanks
14013 \let \LTRfootnote \LTRthanks
14014 \let \RTLfootnote \RTLthanks
14015 \null\vfil
14016 \vskip 60\p@
14017 \begin{center}%
14018     {\LARGE \@title \par}%
14019     \vskip 3em%
14020     {\large
14021         \lineskip .75em%
14022         \begin{tabular}[t]{c}%
14023             \@author
14024         \end{tabular}\par}%
14025         \vskip 1.5em%
14026         {\large \@date \par}%           % Set date in \large size.
14027 \end{center}\par
14028 \@thanks
14029 \vfil\null
14030 \end{titlepage}%
14031 \setcounter{footnote}{0}%
14032 \global\let\thanks\relax
14033 \global\let\LTRthanks\relax
14034 \global\let\RTLthanks\relax
14035 \global\let\maketitle\relax
14036 \global\let\@thanks\@empty
14037 \global\let\@author\@empty

```



```

14038 \global\let\@date\@empty
14039 \global\let\@title\@empty
14040 \global\let\title\relax
14041 \global\let\author\relax
14042 \global\let\date\relax
14043 \global\let\and\relax
14044 }
14045 \else
14046 \renewcommand\maketitle{\par
14047 \begingroup
14048 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
14049 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
14050 \long\def\@makefntext##1{\parindent 1em\noindent
14051 \hb@xt@1.8em{%
14052 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
14053 \if@twocolumn
14054 \ifnum \col@number=\@one
14055 \@maketitle
14056 \else
14057 \twocolumn[\@maketitle]%
14058 \fi
14059 \else
14060 \newpage
14061 \global\@topnum\z@ % Prevents figures from going at top of page.
14062 \@maketitle
14063 \fi
14064 \thispagestyle{plain}\@thanks
14065 \endgroup
14066 \setcounter{footnote}{0}%
14067 \global\let\thanks\relax
14068 \global\let\LTrthanks\relax
14069 \global\let\RTLthanks\relax
14070 \global\let\maketitle\relax
14071 \global\let\@maketitle\relax
14072 \global\let\@thanks\@empty
14073 \global\let\@author\@empty
14074 \global\let\@date\@empty
14075 \global\let\@title\@empty
14076 \global\let\title\relax
14077 \global\let\author\relax
14078 \global\let\date\relax
14079 \global\let\and\relax
14080 }
14081 \def\@maketitle{%
14082 \newpage
14083 \null
14084 \vskip 2em%
14085 \begin{center}%
14086 \let \footnote \thanks
14087 \let \LTrfootnote \LTrthanks

```



```

14088 \let \RTLfootnote \RTLthanks
14089 {\LARGE \@title \par}%
14090 \vskip 1.5em%
14091 {\large
14092 \lineskip .5em%
14093 \begin{tabular}[t]{c}%
14094 \@author
14095 \end{tabular}\par}%
14096 \vskip 1em%
14097 {\large \@date}%
14098 \end{center}}%
14099 \par
14100 \vskip 1.5em}
14101 \fi
14102 \renewcommand*\l@part[2]{%
14103 \ifnum \c@tocdepth >-2\relax
14104 \addpenalty{-\@highpenalty}%
14105 \addvspace{2.25em \@plus\p@}%
14106 \setlength\@tempdima{3em}%
14107 \begingroup
14108 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
14109 \parfillskip -\@pnumwidth
14110 {\leavevmode
14111 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
14112 \nobreak
14113 \global\@nobreaktrue
14114 \everypar{\global\@nobreakfalse\everypar{}}%
14115 \endgroup
14116 \fi}
14117 \renewcommand*\l@chapter[2]{%
14118 \ifnum \c@tocdepth >\m@ne
14119 \addpenalty{-\@highpenalty}%
14120 \vskip 1.0em \@plus\p@
14121 \setlength\@tempdima{1.5em}%
14122 \begingroup
14123 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
14124 \parfillskip -\@pnumwidth
14125 \leavevmode \bfseries
14126 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
14127 \hskip -\if@RTL\rightskip\else\leftskip\fi
14128 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
14129 \penalty\@highpenalty
14130 \endgroup
14131 \fi}
14132 \renewcommand\left@footnoterule{%
14133 \kern-3\p@
14134 \hrule\@width.4\columnwidth
14135 \kern2.6\p@}
14136 \renewcommand\right@footnoterule{%
14137 \kern-3\p@

```



```

14138 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
14139 \kern2.6\p@}
14140 \renewcommand\theequation
14141 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
14142 \renewcommand \thefigure
14143 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
14144 \renewcommand \thetable
14145 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
14146 \renewcommand \thechapter {\@arabic\c@chapter}
14147 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
14148 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
14149 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
14150 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
14151 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
14152 \def\@makechapterhead#1{%
14153 \vspace*{50\p@}%
14154 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
14155 \ifnum \c@secnumdepth >\m@ne
14156 \huge\bfseries \@chapapp\space \thechapter
14157 \par\nobreak
14158 \vskip 20\p@
14159 \fi
14160 \interlinepenalty\@M
14161 \Huge \bfseries #1\par\nobreak
14162 \vskip 40\p@
14163 }}
14164 \def\@makeschapterhead#1{%
14165 \vspace*{50\p@}%
14166 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
14167 \normalfont
14168 \interlinepenalty\@M
14169 \Huge \bfseries #1\par\nobreak
14170 \vskip 40\p@
14171 }}
14172 \renewenvironment{thebibliography}[1]
14173 {\chapter*{\bibname}%
14174 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
14175 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
14176 \list{\@biblabel{\@arabic\c@enumiv}}%
14177 {\settowidth\labelwidth{\@biblabel{#1}}%
14178 \leftmargin\labelwidth
14179 \advance\leftmargin\labelsep
14180 \@openbib@code
14181 \usecounter{enumiv}%
14182 \let\p@enumiv\@empty
14183 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
14184 \sloppy
14185 \clubpenalty4000
14186 \@clubpenalty \clubpenalty
14187 \widowpenalty4000%

```



```

14188     \sfcode`.\.\@m}
14189     {\def\@noitemerr
14190      {\@latex@warning{Empty `thebibliography' environment}}}%
14191     \endlist}

```

7.97 rotating-xetex-bidi.def

```

14192 \ProvidesFile{rotating-xetex-bidi.def}[2013/05/22 v0.2 bidi adaptations for rotating package for
14193 \def\end@rotfloat{%
14194   \end{minipage}\end{lrbox}%
14195   \stepcounter{r@tfl@t}%
14196   \rot@label{RF\ther@tfl@t}%
14197   \rot@pageref{RF\ther@tfl@t}{\R@@page}%
14198   \edef\@tempa{Adding sideways \@captype\space on page \R@@page\space}
14199   \rot@mess@toks\expandafter{\@tempa}
14200   \wd\rot@float@box\z@
14201   \ht\rot@float@box\z@
14202   \dp\rot@float@box\z@
14203   \vboxL to \textheight{%
14204     \setkeys{Grot}{units=360}%
14205     \if@rot@twoside
14206     \else
14207       \let\R@@page\rot@LR
14208     \fi
14209     \ifthenelse{\isodd{\R@@page}}{%
14210       \if@rot@twoside
14211         \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}}%
14212       \fi
14213       \vfill
14214       \@@line{%
14215         \hskip\rotFPtop
14216         \rotatebox{90}{\box\rot@float@box}%
14217         \hskip\rotFPbot
14218       }%
14219     }{%
14220       \if@rot@twoside
14221         \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}}%
14222       \fi
14223       \@@line{%
14224         \hskip\rotFPbot
14225         \rotatebox{-90}{\box\rot@float@box}%
14226         \hskip\rotFPtop
14227       }%
14228       \vfill
14229     }%
14230     \rot@message{\the\rot@mess@toks}
14231   }%
14232   \end@float
14233 }
14234 \let\endsidewaysfigure\end@rotfloat

```



```

14235 \let\endsidewaystable\end@rotfloat
14236 \def\end@rotdblfloat{%
14237   \end{minipage}\end{lrbox}%
14238   \stepcounter{r@tfl@t}%
14239   \rot@label{RF\ther@tfl@t}%
14240   \rot@pageref{RF\ther@tfl@t}{\R@@page}%
14241   \edef\@tempa{Adding sideways \c@type\space on page \R@@page\space}
14242   \rot@mess@toks\expandafter{\@tempa}
14243   \@tempdima\ht\rot@float@box
14244   \advance\@tempdima by \dp\rot@float@box
14245   \wd\rot@float@box\z@
14246   \ht\rot@float@box\z@
14247   \dp\rot@float@box\z@
14248   \vboxL to \textheight{%
14249     \setkeys{Grot}{units=360}%
14250     \if@rot@twoside
14251       \else
14252         \let\R@@page\rot@LR
14253       \fi
14254       \ifthenelse{\isodd{\R@@page}}{%
14255         \ifrot@messages
14256           \if@rot@twoside
14257             \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}%
14258         \fi
14259         \fi
14260         \vfill
14261         \@@line{%
14262           \hskip\rotFPtop
14263           \rotatebox{90}{\box\rot@float@box}%
14264           \hskip\rotFPbot
14265         }%
14266       }{%
14267         \ifrot@messages
14268           \if@rot@twoside
14269             \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}%
14270         \fi
14271         \fi%
14272         \@@line{%
14273           \hskip\rotFPbot
14274           \rotatebox{-90}{\box\rot@float@box}%
14275           \hskip\rotFPtop
14276         }%
14277         \vfill
14278       }%
14279       \rot@message{\the\rot@mess@toks}%
14280     }%
14281   \end@dblfloat
14282 }
14283 \def\turn#1{%
14284   \Grot@setangle{#1}%

```



```

14285 \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
14286 \def\endturn{%
14287   \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
14288   \unskip\color@endbox
14289   \Grot@x\z@
14290   \Grot@y\z@
14291   \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
14292 }
14293 \def\rotate#1{%
14294   \Grot@setangle{#1}%
14295   \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
14296 \def\endrotate{%
14297   \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
14298   \unskip\color@endbox
14299   \Grot@x\z@
14300   \Grot@y\z@
14301   \wd0\z@\dp0\z@\ht0\z@
14302   \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
14303 }
14304 \def\turnbox#1#2{%
14305   \Grot@setangle{#1}%
14306   \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi#2\ifmmode\if@RTL\endR\fi\fi}
14307   \Grot@x\z@\Grot@y\z@
14308   \wd0\z@\dp0\z@\ht0\z@
14309   \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
14310 }
14311 \def\sideways{%
14312   \Grot@setangle{90}%
14313   \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
14314 \def\endsideways{%
14315   \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
14316   \unskip\color@endbox
14317   \Grot@x\z@
14318   \Grot@y\z@
14319   \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
14320 }

```

7.98 scrartcl-xetex-bidi.def

```

14321 \ProvidesFile{scrartcl-xetex-bidi.def}[2015/11/14 v0.8 bidi adaptations for scrartcl class for Xe
14322 \newcommand{\scr@saved@LTRfootnotetext}{}
14323 \newcommand{\scr@saved@RTLfootnotetext}{}
14324 \let\scr@saved@footnotetext\@footnotetext
14325 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
14326 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
14327 \renewcommand{\@footnotetext}[1]{%
14328   \scr@saved@footnotetext{#1}%
14329   \csname FN@mfb@prepare\endcsname
14330 }
14331 \renewcommand{\@LTRfootnotetext}[1]{%

```




```

14332 \scr@saved@LTRfootnotetext{#1}%
14333 \csname FN@mf@prepare\endcsname
14334 }
14335 \renewcommand{\@RTLfootnotetext}[1]{%
14336 \scr@saved@RTLfootnotetext{#1}%
14337 \csname FN@mf@prepare\endcsname
14338 }
14339 \renewcommand\deffootnote[4][1]{%
14340 \long\def\@makefnmark##1{%
14341 \setlength{\@tempdimc}{#3}%
14342 \def\@tempa{#1}\ifx\@tempa\@empty
14343 \setpar{\@par
14344 \@tempdima = \hsize
14345 \addtolength{\@tempdima}{-#2}%
14346 \if@RTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
14347 \else
14348 \addtolength{\@tempdimc}{#2}%
14349 \addtolength{\@tempdimc}{-#1}%
14350 \setpar{\@par
14351 \@tempdima = \hsize
14352 \addtolength{\@tempdima}{-#1}%
14353 \@tempdimb = \hsize
14354 \addtolength{\@tempdimb}{-#2}%
14355 \if@RTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #2 \@t
14356 }%
14357 \fi
14358 \par
14359 \parindent\@tempdimc\noindent
14360 \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
14361 }%
14362 \def\@makefnmark{\hbox{\ftn@font{#4}}}%
14363 }
14364 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
14365 \renewcommand*\left@footnoterule{%
14366 \normalsize\ftn@rule@test@values
14367 \kern-\dimexpr 2.6\p+ \ftn@rule@height\relax
14368 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
14369 {\usekomafont{footnoterule}{%
14370 \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
14371 \kern 2.6\p@}
14372 \renewcommand*\right@footnoterule{%
14373 \normalsize\ftn@rule@test@values
14374 \kern-\dimexpr 2.6\p+ \ftn@rule@height\relax
14375 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
14376 {\usekomafont{footnoterule}{%
14377 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\leader
14378 \kern 2.6\p@}
14379 \renewcommand*\maketitle[1][1]{%
14380 \if@titlepage
14381 \begin{titlepage}

```



```

14382 \setcounter{page}{%
14383   #1%
14384 }%
14385 \let\footnotesize\small
14386 \let\right@footnoterule\relax
14387 \let\left@footnoterule\relax
14388 \let\textwidth@footnoterule\relax
14389 \let\footnote\thanks
14390 \let\LTRfootnote\LTRthanks
14391 \let\RTLfootnote\RTLthanks
14392 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
14393 \let\@oldmakefnmark\@makefnmark
14394 \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}%
14395 \ifx\@extratitle\@empty \else
14396   \noindent\@extratitle\next@tpage\cleardoubleemptypage
14397   \thispagestyle{empty}%
14398 \fi
14399 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
14400 \ifx\@titlehead\@empty \else
14401   \begin{minipage}[t]{\textwidth}%
14402     \@titlehead
14403   \end{minipage}\par
14404 \fi
14405 \null\vfill
14406 \begin{center}
14407   \ifx\@subject\@empty \else
14408     {\subject@font \@subject \par}%
14409     \vskip 3em
14410   \fi
14411   {\titlefont\huge \@title\par}%
14412   \vskip 1em
14413   {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
14414   \vskip 2em
14415   {\Large \lineskip 0.75em
14416     \begin{tabular}[t]{c}
14417       \@author
14418     \end{tabular}\par
14419   }%
14420   \vskip 1.5em
14421   {\Large \@date \par}%
14422   \vskip \z@ \@plus3fill
14423   {\Large \@publishers \par}%
14424   \vskip 3em
14425 \end{center}\par
14426 \@thanks
14427 \vfill\null
14428 \if@twoside\next@tpage
14429   \begin{minipage}[t]{\textwidth}
14430     \@uppertitleback
14431   \end{minipage}\par

```



```

14432         \vfill
14433         \begin{minipage}[b]{\textwidth}
14434             \@lowertitleback
14435         \end{minipage}
14436     \fi
14437     \ifx\@dedication\@empty \else
14438         \next@tpage\null\vfill
14439         {\centering \Large \@dedication \par}%
14440         \vskip \z@ \@plus3fill
14441         \if@twoside \next@tpage\cleardoubleemptypage \fi
14442     \fi
14443 \end{titlepage}
14444 \else
14445     \par
14446     \@tempcnta=%
14447     #1%
14448     \relax\ifnum\@tempcnta=1\else
14449         \ClassWarning{\KOMAClassName}{%
14450             Optional argument of \string\maketitle\space ignored
14451             at\MessageBreak
14452             notitlepage-mode%
14453         }%
14454     \fi
14455     \begingroup
14456         \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
14457         \let\oldmakefnmark\makefnmark
14458         \renewcommand*{\@makefnmark}{\rlap\oldmakefnmark}
14459         \if@twocolumn
14460             \ifnum \col@number=\@ne
14461                 \@maketitle
14462             \else
14463                 \twocolumn[\@maketitle]%
14464             \fi
14465         \else
14466             \newpage
14467             \global\@topnum\z@
14468             \@maketitle
14469         \fi
14470         \thispagestyle{\titlepagestyle}\@thanks
14471     \endgroup
14472 \fi
14473 \setcounter{footnote}{0}%
14474 \let\thanks\relax
14475 \let\LTRthanks\relax
14476 \let\RTLthanks\relax
14477 \let\maketitle\relax
14478 \let\@maketitle\relax
14479 \global\let\@thanks\@empty
14480 \global\let\@author\@empty
14481 \global\let\@date\@empty

```



```

14482 \global\let\@title\@empty
14483 \global\let\@subtitle\@empty
14484 \global\let\@extratitle\@empty
14485 \global\let\@titlehead\@empty
14486 \global\let\@subject\@empty
14487 \global\let\@publishers\@empty
14488 \global\let\@uppertitleback\@empty
14489 \global\let\@lowertitleback\@empty
14490 \global\let\@dedication\@empty
14491 \global\let\author\relax
14492 \global\let\title\relax
14493 \global\let\extratitle\relax
14494 \global\let\titlehead\relax
14495 \global\let\subject\relax
14496 \global\let\publishers\relax
14497 \global\let\uppertitleback\relax
14498 \global\let\lowertitleback\relax
14499 \global\let\dedication\relax
14500 \global\let\date\relax
14501 \global\let\and\relax
14502 }%
14503 \renewcommand*{\@maketitle}{%
14504 \clearpage
14505 \let\footnote\thanks
14506 \let\LTRfootnote\LTRthanks
14507 \let\RTLfootnote\RTLthanks
14508 \ifx\@extratitle\@empty \else
14509 \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
14510 \fi
14511 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
14512 \ifx\@titlehead\@empty \else
14513 \begin{minipage}[t]{\textwidth}
14514 \@titlehead
14515 \end{minipage}\par
14516 \fi
14517 \null
14518 \vskip 2em%
14519 \begin{center}%
14520 \ifx\@subject\@empty \else
14521 {\subject@font \@subject \par}
14522 \vskip 1.5em
14523 \fi
14524 {\titlefont\huge \@title \par}%
14525 \vskip .5em
14526 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
14527 \vskip 1em
14528 {\Large
14529 \lineskip .5em%
14530 \begin{tabular}[t]{c}
14531 \author

```



```

14532     \end{tabular}\par
14533   }%
14534   \vskip 1em%
14535   {\Large \@date \par}%
14536   \vskip \z@ \@plus 1em
14537   {\Large \@publishers \par}
14538   \ifx\@dedication\@empty \else
14539     \vskip 2em
14540     {\Large \@dedication \par}
14541   \fi
14542 \end{center}}%
14543 \par
14544 \vskip 2em
14545 }%
14546 \renewcommand*\l@part[2]{%
14547   \ifnum \c@tocdepth >\m@ne\relax
14548     \addpenalty{\@secpenalty}%
14549     \addvspace{2.25em \@plus\p@}%
14550     \setlength{\@tempdima}{2em}%
14551     \if@tocleft
14552       \ifx\toc@l@number\@empty\else
14553         \setlength{\@tempdima}{0\toc@l@number}%
14554       \fi
14555     \fi
14556     \begingroup
14557       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
14558       \parfillskip -\@pnumwidth
14559       \leavevmode
14560       \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
14561       \hskip -\if@RTL\rightskip\else\leftskip\fi
14562       {\usekomafont{partentry}{#1\nobreak
14563         \usekomafont{partentrypagenumber}{\hfil\nobreak
14564           \hb@xt@\@pnumwidth{\hss#2}}}\par
14565       \ifnum \scr@compatibility>\@nameuse{scr@v@2.96}\relax
14566       \endgroup
14567       \penalty20010
14568     \else
14569       \if@compatibility
14570         \global\@nobreaktrue
14571         \everypar{\global\@nobreakfalse\everypar{}}%
14572       \else
14573         \penalty\@highpenalty
14574       \fi
14575     \endgroup
14576   \fi
14577 \fi
14578 }
14579 \renewcommand*\l@section[2]{%
14580   \ifnum \c@tocdepth >\z@
14581     \ifnum \lastpenalty<20009

```



```

14582     \addpenalty{\@secpenalty}%
14583     \fi
14584     \addvspace{1.0em \@plus\p0}%
14585     \setlength\@tempdima{1.5em}%
14586     \if@tocleft
14587         \ifx\toc@l@number\@empty\else
14588             \setlength\@tempdima{0\toc@l@number}%
14589         \fi
14590     \fi
14591     \beginngroup
14592         \raggedsectionentry
14593         \parindent \z@ \advance\if@RTL\leftskip\else\rightskip\fi \@pnumwidth
14594         \parfillskip -\@pnumwidth
14595         \interlinepenalty\@M
14596         \leavevmode
14597         \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightsk
14598         {\usekomafont{sectionentry}{#1\nobreak
14599         \usekomafont{sectionentrypagenumber}{}%
14600         \hfill\nobreak
14601         \hb@xt@\@pnumwidth{\hss#2}}}\par
14602     \endgroup
14603     \ifnum \scr@compatibility>\@nameuse{scr@v@2.96}\relax
14604     \penalty20008
14605     \fi
14606 \fi
14607 }
14608 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
14609 \def\raggedpart{\if@RTL\raggedleft\else\raggedright\fi}
14610 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
14611 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@section}
14612 \renewcommand*{\thesubsubsection}{\%
14613 \thesubsection\@SepMark\@arabic\c@subsubsection
14614 }
14615 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
14616 \renewcommand*{\thesubparagraph}{\%
14617 \theparagraph\@SepMark\@arabic\c@subparagraph
14618 }
14619 \renewenvironment{thebibliography}[1]{%
14620 \if@bib@break@
14621 \bib@beginhook
14622 \else
14623 \bib@heading
14624 \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
14625 \noindent\bibpreamble\par\nobreak
14626 \fi\fi
14627 \bib@beginhook
14628 \bib@before@hook
14629 \fi
14630 \renewcommand{\BreakBibliography}[1]{%
14631 \@bib@break

```



```

14632 \end{thebibliography}%
14633 \begingroup ##1\endgroup
14634 \begin{thebibliography}{#1}
14635 }%
14636 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
14637 \list{%
14638   \@biblabel{\@arabic\c@enumiv}%
14639 }{%
14640   \settowidth\labelwidth{\@biblabel{#1}}%
14641   \leftmargin\labelwidth
14642   \advance\leftmargin\labelsep
14643   \@openbib@code
14644   \if@bib@break@
14645     \edef\@tempa{%
14646       \noexpand\usecounter{enumiv}%
14647       \noexpand\setcounter{enumiv}{\the\c@enumiv}%
14648     }\@tempa
14649     \no@bib@break
14650   \else
14651     \usecounter{enumiv}%
14652   \fi
14653   \let\p@enumiv\@empty
14654   \renewcommand*\theenumiv{\@arabic\c@enumiv}%
14655 }%
14656 \sloppy\clubpenalty4000 \widowpenalty4000
14657 \sfcode`\.=\@m
14658 }{%
14659 \if@bib@break@
14660   \def\@noitemerr{%
14661     \@latex@warning{%
14662       \string\BreakBibliography\space at begin of `thebibliography'
14663       environment\MessageBreak
14664       or following \string\BreakBibliography}%
14665   }%
14666 \else
14667   \def\@noitemerr{%
14668     \@latex@warning{%
14669       Empty `thebibliography' environment or
14670       \string\BreakBibliography\MessageBreak
14671       before end of `thebibliography' environment}%
14672   }%
14673 \fi
14674 \endlist
14675 \if@bib@break@
14676 \else
14677   \bib@after@hook
14678   \let\bib@before@hook\@empty
14679   \let\bib@after@hook\@empty
14680 \fi
14681 \bib@endhook

```



```

14682 }
14683 \renewcommand*\left@footnoterule{%
14684   \kern-3\p@
14685   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
14686   \hrule\@width.4\columnwidth
14687   \kern 2.6\p@}
14688 \renewcommand*\right@footnoterule{%
14689   \kern-3\p@
14690   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
14691   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
14692   \kern2.6\p@}
14693 \renewcommand*{\raggeddictum}{\if@RTL\raggedright\else\raggedleft\fi}
14694 \renewcommand*{\raggeddictumtext}{\if@RTL\raggedleft\else\raggedright\fi}
14695 \renewcommand*{\raggeddictumauthor}{\if@RTL\raggedright\else\raggedleft\fi}
14696 \renewcommand\marginline[1]{%
14697   \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
14698 }
14699 \renewcommand{\@makecaption}[3]{%
14700   \cap@margin
14701   \ifonelinecaptions
14702     \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
14703     \let\scr@tmp@footnotetext=\@footnotetext
14704     \let\@footnotetext=\@gobble
14705     \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
14706     \let\@LTRfootnotetext=\@gobble
14707     \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
14708     \let\@RTLfootnotetext=\@gobble
14709     \sbox\@tempboxa{%
14710       {\capfont{\strut\ignorespaces
14711         #1{\caplabelfont{#2\captionformat}}}%
14712         #3\unskip\strut}}%
14713     }%
14714     \let\@footnotetext=\scr@tmp@footnotetext
14715     \let\scr@tmp@footnotetext=\undefined
14716     \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
14717     \let\scr@tmp@LTRfootnotetext=\undefined
14718     \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
14719     \let\scr@tmp@RTLfootnotetext=\undefined
14720     \setcounter{footnote}{\@tempcntb}%
14721     \setcounter{mpfootnote}{\@tempcnta}%
14722   \else
14723     \sbox\@tempboxa{\hspace*{2\cap@width}}%
14724   \fi
14725   \begingroup%
14726     \setlength{\@tempdima}{\cap@width}%
14727     \ifdim \wd\@tempboxa >\@tempdima
14728       \hb@xt@\hsize{%
14729         \setbox\@tempboxa\vbox{\hsize=\cap@width
14730           \ifdofullc@p
14731             {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces

```




```

14732         #1{\caplabelfont{#2\captionformat}}}%
14733         {#3\unskip\strut\par}}}%
14734     \else%
14735         \ifdim\cap@indent<\z@
14736         {\capfont{\strut\ignorespaces
14737         #1{\caplabelfont{#2\captionformat\par}}}%
14738         \noindent\hspace*{-\cap@indent}#3\unskip\strut\par}}}%
14739     \else%
14740         \if@capbreak
14741         {\capfont{\strut\ignorespaces
14742         #1{\caplabelfont{#2\captionformat\par}}}%
14743         \noindent\@hangfrom{\hspace*{\cap@indent}}{#3\par}}}%
14744     \else
14745     {\capfont{\@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
14746     {\hspace*{-\cap@indent}\scr@smashdp{\ignorespaces#1%
14747     {\caplabelfont{#2\captionformat}}}%#3\unskip\strut\par}}}%
14748     \fi
14749     \fi
14750     \fi
14751     }%
14752     \setlength{\@tempdima}{\ht\@tempboxa}%
14753     \addtolength{\@tempdima}{\dp\@tempboxa}%
14754     \addtolength{\@tempdima}{-\ht\strutbox}%
14755     \ht\@tempboxa\ht\strutbox
14756     \dp\@tempboxa\@tempdima
14757     \strut\cap@left
14758     \box\@tempboxa
14759     \cap@right\strut
14760     }%
14761 \else
14762     \global \@minipagefalse
14763     \sbox\@tempboxa{%
14764     {\capfont{\scr@smashdp{\strut\ignorespaces
14765     #1{\caplabelfont{#2\captionformat}}}%
14766     #3}}}%
14767     }%
14768     {\capfont{\hb@xt@\hsize{\strut\cap@left\if@RTL\beginR\fi\box\@tempboxa\if@RTL\endR\fi\cap@right}}}%
14769     \fi
14770 \endgroup
14771 }
14772 \renewcommand{\@makecaption}[2]{%
14773 \if@captionabove
14774     \vskip\belowcaptionskip
14775 \else
14776     \vskip\abovecaptionskip
14777 \fi
14778 \@makecaption\@firstofone{#1}{#2}%
14779 \if@captionabove
14780     \vskip\abovecaptionskip
14781 \else

```



```

14782     \vskip\belowcaptionskip
14783     \fi
14784 }
14785 \bidi@AfterFile{longtable-xetex-bidi.def}{%
14786   \ifpackageloaded{caption2}{\@komalongtablefalse
14787     \scr@caption@before@longtable@warning{caption2}%
14788   }{}%
14789   \if@komalongtable
14790     \renewcommand{\LT@makecaption}[3]{%
14791       \noalign{%
14792         \if@captionabove
14793           \vskip\belowcaptionskip
14794         \else
14795           \vskip\abovecaptionskip
14796         \fi
14797       }%
14798       \LT@mcol\LT@cols c{%
14799         \hbox to\z@{\hss\parbox[t]{\linewidth{%
14800           \@makecaption{#1}{#2}{#3}%
14801         \endgraf
14802         \if@captionabove
14803           \vskip\abovecaptionskip
14804         \else
14805           \vskip\belowcaptionskip
14806         \fi
14807       }%
14808       \hss
14809     }%
14810   }%
14811 }%
14812 \renewcommand*{\scr@LT@array}{}%
14813 \let\scr@LT@array=\LT@array
14814 \renewcommand*{\LT@array}{%
14815   \let\scr@caption=\LT@caption
14816   \def\captionabove{\noalign{\global\@captionabovetrue}%
14817     \scr@caption}%
14818   \def\captionbelow{\noalign{\global\@captionabovetrue}%
14819     \scr@caption}%
14820   \if@tablecaptionabove
14821     \let\LT@caption=\captionabove
14822   \else
14823     \let\LT@caption=\captionbelow
14824   \fi
14825   \scr@LT@array
14826 }%
14827 \ClassInfo{KOMAClassName}{%
14828   longtable captions redefined%
14829 }%
14830 \fi
14831 }

```



7.99 scrbook-xetex-bidi.def

```

14832 \ProvidesFile{scrbook-xetex-bidi.def}[2015/11/14 v0.8 bidi adaptations for scrbook class for XeT
14833 \newcommand{\scr@saved@LTRfootnotetext}{}
14834 \newcommand{\scr@saved@RTLfootnotetext}{}
14835 \let\scr@saved@footnotetext\@footnotetext
14836 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
14837 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
14838 \renewcommand{\@footnotetext}[1]{%
14839   \scr@saved@footnotetext{#1}%
14840   \csname FN@mf@prepare\endcsname
14841 }
14842 \renewcommand{\@LTRfootnotetext}[1]{%
14843   \scr@saved@LTRfootnotetext{#1}%
14844   \csname FN@mf@prepare\endcsname
14845 }
14846 \renewcommand{\@RTLfootnotetext}[1]{%
14847   \scr@saved@RTLfootnotetext{#1}%
14848   \csname FN@mf@prepare\endcsname
14849 }
14850 \renewcommand\deffootnote[4][1]{%
14851   \long\def\@makefnmark##1{%
14852     \setlength{\@tempdimc}{#3}%
14853     \def\@tempa{#1}\ifx\@tempa\@empty
14854       \setpar{\@par
14855         \@tempdima = \hsize
14856         \addtolength{\@tempdima}{-#2}%
14857         \if@RTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
14858       \else
14859         \addtolength{\@tempdimc}{#2}%
14860         \addtolength{\@tempdimc}{-#1}%
14861         \setpar{\@par
14862           \@tempdima = \hsize
14863           \addtolength{\@tempdima}{-#1}%
14864           \@tempdimb = \hsize
14865           \addtolength{\@tempdimb}{-#2}%
14866           \if@RTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #2 \@t
14867         }%
14868       \fi
14869     \par
14870     \parindent\@tempdimc\noindent
14871     \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
14872   }%
14873   \def\@makefnmark{\hbox{\ftn@font{#4}}}%
14874 }
14875 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
14876 \renewcommand*\left@footnoterule{%
14877   \normalsize\ftn@rule@test@values
14878   \kern-\dimexpr 2.6\p+ \ftn@rule@height\relax
14879   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi

```



```

14880 {\usekomafont{footnoterule}{%
14881     \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
14882 \kern 2.6\p@}
14883 \renewcommand*\right@footnoterule{%
14884     \normalsize\ftn@rule@test@values
14885     \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
14886     \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
14887     {\usekomafont{footnoterule}{%
14888         \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\leader
14889         \kern 2.6\p@}
14890 \renewcommand*\maketitle[1][1]{%
14891     \if@titlepage
14892         \begin{titlepage}
14893             \setcounter{page}{%
14894                 #1%
14895             }%
14896             \let\footnotesize\small
14897             \let\right@footnoterule\relax
14898             \let\left@footnoterule\relax
14899             \let\textwidth\footnoterule\relax
14900             \let\footnote\thanks
14901             \let\LTRfootnote\LTRthanks
14902             \let\RTLfootnote\RTLthanks
14903             \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
14904             \let\@oldmakefnmark\@makefnmark
14905             \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}%
14906             \ifx\@extratitle\@empty \else
14907                 \noindent\@extratitle\next@tpage\cleardoubleemptypage
14908                 \thispagestyle{empty}%
14909             \fi
14910             \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
14911             \ifx\@titlehead\@empty \else
14912                 \begin{minipage}[t]{\textwidth}%
14913                     \@titlehead
14914                 \end{minipage}\par
14915             \fi
14916             \null\vfill
14917             \begin{center}
14918                 \ifx\@subject\@empty \else
14919                     {\subject@font \subject \par}%
14920                     \vskip 3em
14921                 \fi
14922                 {\titlefont\huge \@title\par}%
14923                 \vskip 1em
14924                 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
14925                 \vskip 2em
14926                 {\Large \lineskip 0.75em
14927                     \begin{tabular}[t]{c}
14928                         \@author
14929                     \end{tabular}\par

```



```

14930     }%
14931     \vskip 1.5em
14932     {\Large \@date \par}%
14933     \vskip \z@ \@plus3fill
14934     {\Large \@publishers \par}%
14935     \vskip 3em
14936 \end{center}\par
14937 \@thanks
14938 \vfill\null
14939 \if@twoside\next@tpage
14940   \begin{minipage}[t]{\textwidth}
14941     \@uppertitleback
14942   \end{minipage}\par
14943   \vfill
14944   \begin{minipage}[b]{\textwidth}
14945     \@lowertitleback
14946   \end{minipage}
14947 \fi
14948 \ifx\@dedication\@empty \else
14949   \next@tpage\null\vfill
14950   {\centering \Large \@dedication \par}%
14951   \vskip \z@ \@plus3fill
14952   \if@twoside \next@tpage\cleardoubleemptypage \fi
14953 \fi
14954 \end{titlepage}
14955 \else
14956   \par
14957   \@tempcnta=%
14958   #1%
14959   \relax\ifnum\@tempcnta=1\else
14960     \ClassWarning{KOMAClassName}{%
14961       Optional argument of \string\maketitle\space ignored
14962       at\MessageBreak
14963       notitlepage-mode%
14964     }%
14965   \fi
14966 \beginingroup
14967   \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
14968   \let\@oldmakefnmark\@makefnmark
14969   \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}
14970   \if@twocolumn
14971     \ifnum \col@number=\@ne
14972       \@maketitle
14973     \else
14974       \twocolumn[\@maketitle]%
14975     \fi
14976   \else
14977     \newpage
14978     \global\@topnum\z@
14979     \@maketitle

```



```

14980     \fi
14981     \thispagestyle{\titlepagestyle}\@thanks
14982   \endgroup
14983 \fi
14984 \setcounter{footnote}{0}%
14985 \let\thanks\relax
14986 \let\LTRthanks\relax
14987 \let\RTLthanks\relax
14988 \let\maketitle\relax
14989 \let\@maketitle\relax
14990 \global\let\@thanks\@empty
14991 \global\let\@author\@empty
14992 \global\let\@date\@empty
14993 \global\let\@title\@empty
14994 \global\let\@subtitle\@empty
14995 \global\let\@extratitle\@empty
14996 \global\let\@titlehead\@empty
14997 \global\let\@subject\@empty
14998 \global\let\@publishers\@empty
14999 \global\let\@uppertitleback\@empty
15000 \global\let\@lowertitleback\@empty
15001 \global\let\@dedication\@empty
15002 \global\let\author\relax
15003 \global\let\title\relax
15004 \global\let\extratitle\relax
15005 \global\let\titlehead\relax
15006 \global\let\subject\relax
15007 \global\let\publishers\relax
15008 \global\let\uppertitleback\relax
15009 \global\let\lowertitleback\relax
15010 \global\let\dedication\relax
15011 \global\let\date\relax
15012 \global\let\and\relax
15013 }%
15014 \renewcommand*{\@maketitle}{%
15015   \clearpage
15016   \let\footnote\thanks
15017   \let\LTRfootnote\LTRthanks
15018   \let\RTLfootnote\RTLthanks
15019   \ifx\@extratitle\@empty \else
15020     \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
15021   \fi
15022   \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
15023   \ifx\@titlehead\@empty \else
15024     \begin{minipage}[t]{\textwidth}
15025       \@titlehead
15026     \end{minipage}\par
15027   \fi
15028   \null
15029   \vskip 2em%

```



```

15030 \begin{center}%
15031 \ifx\@subject\@empty \else
15032   {\subject@font \@subject \par}
15033   \vskip 1.5em
15034   \fi
15035   {\titlefont\huge \@title \par}%
15036   \vskip .5em
15037   {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
15038   \vskip 1em
15039   {\Large
15040     \lineskip .5em%
15041     \begin{tabular}[t]{c}
15042       \@author
15043     \end{tabular}\par
15044   }%
15045   \vskip 1em%
15046   {\Large \@date \par}%
15047   \vskip \z@ \@plus 1em
15048   {\Large \@publishers \par}
15049   \ifx\@dedication\@empty \else
15050     \vskip 2em
15051     {\Large \@dedication \par}
15052   \fi
15053 \end{center}%
15054 \par
15055 \vskip 2em
15056 }%
15057 \renewcommand*\l@part[2]{%
15058 \ifnum \c@tocdepth >-2\relax
15059 \addpenalty{-\@highpenalty}%
15060 \addvspace{2.25em \@plus\p@}%
15061 \setlength{\@tempdima}{2em}%
15062 \if@tocleft
15063 \ifx\toc@l@number\@empty\else
15064 \setlength{\@tempdima}{0\toc@l@number}%
15065 \fi
15066 \fi
15067 \begingroup
15068 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15069 \parfillskip -\@pnumwidth
15070 \leavevmode
15071 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
15072 \hskip -\if@RTL\rightskip\else\leftskip\fi
15073 {\usekomafont{partentry}{#1\nobreak
15074 \usekomafont{partentrypagenumber}{\hfil\nobreak
15075 \hb@xt@\@pnumwidth{\hss#2}}}\par
15076 \ifnum \scr@compatibility>\@nameuse{scr@v@2.96}\relax
15077 \endgroup
15078 \penalty20010
15079 \else

```



```

15080         \penalty\@highpenalty
15081     \endgroup
15082     \fi
15083 \fi
15084 } \renewcommand*\l@part[2]{%
15085     \ifnum \c@tocdepth >-2\relax
15086         \addpenalty{-\@highpenalty}%
15087         \addvspace{2.25em \@plus\p@}%
15088         \setlength{\@tempdima}{2em}%
15089         \if@tocleft
15090             \ifx\toc@l@number\@empty\else
15091                 \setlength{\@tempdima}{0\toc@l@number}%
15092             \fi
15093         \fi
15094     \begingroup
15095         \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15096         \parfillskip -\@pnumwidth
15097         \leavevmode
15098         \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
15099         \hskip -\if@RTL\rightskip\else\leftskip\fi
15100         {\usekomafont{partentry}{#1\nobreak
15101             \usekomafont{partentrypagenumber}{\hfil\nobreak
15102                 \hb@xt@\@pnumwidth{\hss#2}}}\par
15103         \ifnum \scr@compatibility>\@nameuse{scr@v@2.96}\relax
15104         \endgroup
15105         \penalty20010
15106     \else
15107         \penalty\@highpenalty
15108     \endgroup
15109     \fi
15110 \fi
15111 }
15112 \renewcommand*\l@chapter[2]{%
15113     \ifnum \c@tocdepth >\m@ne
15114         \ifnum \lastpenalty<20010
15115             \addpenalty{-\@highpenalty}%
15116         \fi
15117         \vskip 1.0em \@plus\p@
15118         \setlength{\@tempdima}{1.5em}%
15119         \if@tocleft
15120             \ifx\toc@l@number\@empty\else
15121                 \setlength{\@tempdima}{0\toc@l@number}%
15122             \fi
15123         \fi
15124     \begingroup
15125         \raggedchapterentry
15126         \parindent \z@ \advance\if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15127         \parfillskip -\@pnumwidth
15128         \interlinepenalty\@M
15129         \leavevmode

```




```

15130 \advance\if@RTL\rightright\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightright
15131 {\usekomafont{chapterentry}{#1\nobreak
15132 \usekomafont{chapterentrypagenumber}{%
15133 \hfill\nobreak
15134 \hb@xt@{\pnumwidth{\hss#2}}}\par
15135 \ifnum \scr@compatibility>\@nameuse{scr@v@2.96}\relax
15136 \endgroup
15137 \penalty20009
15138 \else
15139 \penalty\@highpenalty
15140 \endgroup
15141 \fi
15142 \fi
15143 }
15144 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
15145 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
15146 \renewcommand*\thesection{%
15147 \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
15148 \if@mainmatter\thechapter\@SepMark\fi
15149 \else
15150 \thechapter\@SepMark%
15151 \fi
15152 \@arabic\c@section
15153 }
15154 \renewcommand*\thesubsection{\thesubsection\@SepMark\@arabic\c@subsection}
15155 \renewcommand*\thesubsubsection{%
15156 \thesubsubsection\@SepMark\@arabic\c@subsubsection
15157 }
15158 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
15159 \renewcommand*\thesubparagraph{%
15160 \theparagraph\@SepMark\@arabic\c@subparagraph
15161 }
15162 \renewcommand*\thefigure{%
15163 \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
15164 \if@mainmatter\thechapter\@SepMark\fi
15165 \else
15166 \thechapter\@SepMark%
15167 \fi
15168 \@arabic\c@figure
15169 }
15170 \renewcommand*\thetable{%
15171 \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
15172 \if@mainmatter\thechapter\@SepMark\fi
15173 \else
15174 \thechapter\@SepMark%
15175 \fi
15176 \@arabic\c@table
15177 }
15178 \renewcommand*\theequation{%
15179 \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax

```



```

15180 \if@mainmatter\thechapter\@SepMark\fi
15181 \else
15182 \thechapter\@SepMark%
15183 \fi
15184 \@arabic\c@equation
15185 }
15186 \renewenvironment{thebibliography}[1]{%
15187 \if@bib@break@
15188 \bib@beginhook
15189 \else
15190 \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
15191 \setchapterpreamble{\bibpreamble}%
15192 \fi\fi
15193 \bib@heading
15194 \bib@beginhook
15195 \bib@before@hook
15196 \fi
15197 \renewcommand{\BreakBibliography}[1]{%
15198 \@bib@break
15199 \end{thebibliography}%
15200 \begingroup ##1\endgroup
15201 \begin{thebibliography}{#1}
15202 }%
15203 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
15204 \list{%
15205 \@biblabel{\@arabic\c@enumiv}%
15206 }{%
15207 \settowidth\labelwidth{\@biblabel{#1}}%
15208 \leftmargin\labelwidth
15209 \advance\leftmargin\labelsep
15210 \@openbib@code
15211 \if@bib@break@
15212 \edef\@tempa{%
15213 \noexpand\usecounter{enumiv}%
15214 \noexpand\setcounter{enumiv}{\the\c@enumiv}%
15215 }\@tempa
15216 \no@bib@break
15217 \else
15218 \usecounter{enumiv}%
15219 \fi
15220 \let\p@enumiv\@empty
15221 \renewcommand*\theenumiv{\@arabic\c@enumiv}%
15222 }%
15223 \sloppy\clubpenalty4000 \widowpenalty4000
15224 \sfcode`\.\=@m
15225 }{%
15226 \if@bib@break@
15227 \def\@noitemerr{%
15228 \@latex@warning{%
15229 \string\BreakBibliography\space at begin of `thebibliography'

```



```

15230         environment\MessageBreak
15231         or following \string\BreakBibliography}%
15232     }%
15233 \else
15234     \def\@noitemerr{%
15235         \@latex@warning{%
15236             Empty `thebibliography' environment or
15237             \string\BreakBibliography\MessageBreak
15238             before end of `thebibliography' environment}%
15239     }%
15240 \fi
15241 \endlist
15242 \if@bib@break@
15243 \else
15244     \bib@after@hook
15245     \let\bib@before@hook\@empty
15246     \let\bib@after@hook\@empty
15247 \fi
15248 \bib@endhook
15249 }
15250 \renewcommand*\left@footnoterule{%
15251     \kern-3\p@
15252     \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
15253     \hrule\@width.4\columnwidth
15254     \kern 2.6\p@}
15255 \renewcommand*\right@footnoterule{%
15256     \kern-3\p@
15257     \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
15258     \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
15259     \kern2.6\p@}
15260 \renewcommand*{\raggeddictum}{\if@RTL\raggedright\else\raggedleft\fi}
15261 \renewcommand*{\raggeddictumtext}{\if@RTL\raggedleft\else\raggedright\fi}
15262 \renewcommand*{\raggeddictumauthor}{\if@RTL\raggedright\else\raggedleft\fi}
15263 \renewcommand\marginline[1]{%
15264     \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
15265 }
15266 \renewcommand{\@@makecaption}[3]{%
15267     \cap@margin
15268     \ifonelinecaptions
15269         \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
15270         \let\scr@tmp@footnotetext=\@footnotetext
15271         \let\@footnotetext=\@gobble
15272         \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
15273         \let\@LTRfootnotetext=\@gobble
15274         \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
15275         \let\@RTLfootnotetext=\@gobble
15276         \sbox\@tempboxa{%
15277             {\capfont{\strut\ignorespaces
15278                 #1{\caplabelfont{#2\captionformat}}}%
15279                 #3\unskip\strut}}%

```



```

15280 }%
15281 \let\@footnotetext=\scr@tmp@footnotetext
15282 \let\scr@tmp@footnotetext=\undefined
15283 \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
15284 \let\scr@tmp@LTRfootnotetext=\undefined
15285 \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
15286 \let\scr@tmp@RTLfootnotetext=\undefined
15287 \setcounter{footnote}{\@tempcntb}%
15288 \setcounter{mpfootnote}{\@tempcnta}%
15289 \else
15290 \sbox\@tempboxa{\hspace*{2\cap@width}}%
15291 \fi
15292 \begingroup%
15293 \setlength{\@tempdima}{\cap@width}%
15294 \ifdim \wd\@tempboxa >\@tempdima
15295 \hb@xt@\hsize{%
15296 \setbox\@tempboxa\vbox{\hsize=\cap@width
15297 \ifdoofullc@p
15298 {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
15299 #1{\caplabelfont{#2\captionformat}}}}}%
15300 {#3\unskip\strut\par}}}%
15301 \else%
15302 \ifdim\cap@indent<\z@
15303 {\capfont{\strut\ignorespaces
15304 #1{\caplabelfont{#2\captionformat\par}}}%
15305 \noindent\hspace*{-\cap@indent}#3\unskip\strut\par}}%
15306 \else%
15307 \if@capbreak
15308 {\capfont{\strut\ignorespaces
15309 #1{\caplabelfont{#2\captionformat\par}}}%
15310 \noindent\@hangfrom{\hspace*{\cap@indent}}{#3\par}}}%
15311 \else
15312 {\capfont{\@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}}%
15313 {\hspace*{-\cap@indent}\scr@smashdp{\ignorespaces#1%
15314 {\caplabelfont{#2\captionformat}}}{#3\unskip\strut\par}}}%
15315 \fi
15316 \fi
15317 \fi
15318 }%
15319 \setlength{\@tempdima}{\ht\@tempboxa}%
15320 \addtolength{\@tempdima}{\dp\@tempboxa}%
15321 \addtolength{\@tempdima}{-\ht\strutbox}%
15322 \ht\@tempboxa\ht\strutbox
15323 \dp\@tempboxa\@tempdima
15324 \strut\cap@left
15325 \box\@tempboxa
15326 \cap@right\strut
15327 }%
15328 \else
15329 \global \@minipagefalse

```



```

15330     \sbox\@tempboxa{%
15331         {\capfont{\scr@smashdp{\strut\ignorespaces
15332             #1{\caplabelfont{#2\captionformat}}}}}%
15333         #3}}}%
15334     }%
15335     {\capfont{\hb@xt@\hsize{\strut\cap@left@if@RTL\beginR\fi\box\@tempboxa@if@RTL\endR\fi\cap
15336     \fi
15337 \endgroup
15338 }
15339 \renewcommand{\@makecaption}[2]{%
15340     \if@captionabove
15341         \vskip\belowcaptionskip
15342     \else
15343         \vskip\abovecaptionskip
15344     \fi
15345     \@makecaption\@firstofone{#1}{#2}%
15346     \if@captionabove
15347         \vskip\abovecaptionskip
15348     \else
15349         \vskip\belowcaptionskip
15350     \fi
15351 }
15352 \bidi@AfterFile{longtable-xetex-bidi.def}{%
15353     \@ifpackageloaded{caption2}{\@komalongtablefalse
15354         \scr@caption@before@longtable@warning{caption2}%
15355     }{}%
15356     \if@komalongtable
15357         \renewcommand{\LT@makecaption}[3]{%
15358             \noalign{%
15359                 \if@captionabove
15360                     \vskip\belowcaptionskip
15361                 \else
15362                     \vskip\abovecaptionskip
15363                 \fi
15364             }%
15365             \LT@mcol\LT@cols c{%
15366                 \hbox to\z@{\hss\parbox[t]{linewidth{%
15367                     \@makecaption{#1}{#2}{#3}%
15368                 }\endgraf
15369                 \if@captionabove
15370                     \vskip\abovecaptionskip
15371                 \else
15372                     \vskip\belowcaptionskip
15373                 \fi
15374             }%
15375             \hss
15376         }%
15377     }%
15378 }%
15379 \renewcommand*\scr@LT@array}{}%

```



```

15380 \let\scr@LT@array=\LT@array
15381 \renewcommand*{\LT@array}{%
15382   \let\scr@caption=\LT@caption
15383   \def\captionabove{\noalign{\global\@captionabovetrue}%
15384     \scr@caption}%
15385   \def\captionbelow{\noalign{\global\@captionabovefalse}%
15386     \scr@caption}%
15387   \if@tablecaptionabove
15388     \let\LT@caption=\captionabove
15389   \else
15390     \let\LT@caption=\captionbelow
15391   \fi
15392   \scr@LT@array
15393 }%
15394 \ClassInfo{\KOMAClassName}{%
15395   longtable captions redefined%
15396 }%
15397 \fi
15398 }

```

7.100 scrlettr-xetex-bidi.def

```

15399 \ProvidesFile{scrlettr-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for scrlettr class for X
15400 \renewcommand\deffootnote[4][{}]{%
15401   \long\def\@makefnmark##1{%
15402     \edef\@tempa{##1}\ifx\@tempa\@empty
15403       \setpar{\@par
15404         \@tempdima = \hsize
15405         \addtolength{\@tempdima}{-#2}
15406         \if@RTL\parshape \@one Opt \@tempdima\else\parshape \@one #2 \@tempdima\fi}%
15407     \else
15408       \setpar{\@par
15409         \@tempdima = \hsize
15410         \addtolength{\@tempdima}{-#1}
15411         \@tempdimb = \hsize
15412         \addtolength{\@tempdimb}{-#2}
15413         \if@RTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #2 \@t
15414       \fi
15415       \par
15416       \parindent #3\noindent
15417       \hbox to \z@{\hss\@makefnmark}##1}
15418     \def\@makefnmark{\hbox{##4}}
15419   }
15420 \deffootnote[1em]{1.5em}{1em}
15421 {\textsuperscript{\thefootnotemark}}
15422 \def\left@footnoterule{\kern-1\p@
15423   \hrule width 0.4\columnwidth
15424   \kern .6\p@}
15425 \def\right@footnoterule{%
15426   \kern-1\p@

```



```

15427 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
15428 \kern .6\p@}
15429 \def\@datefield{\@reffalse
15430 \ifx\varyourref\@empty \else \@reftrue \fi
15431 \ifx\varyourmail\@empty \else \@reftrue \fi
15432 \ifx\varmyref\@empty \else \@reftrue \fi
15433 \ifx\varcustomer\@empty \else \@reftrue \fi
15434 \ifx\varinvoice\@empty \else \@reftrue \fi
15435 \ifx\varrefitemi\@empty \else \@reftrue \fi
15436 \ifx\varrefitemii\@empty \else \@reftrue \fi
15437 \ifx\varrefitemiii\@empty \else \@reftrue \fi
15438 \vskip -\parskip
15439 \vskip \refvskip
15440 \if@ref
15441 \ifx\varyourref\@empty \else
15442 \settowidth{\sc@temp}{\varyourref}
15443 \setbox0\hbox{\scriptsize \sf \yourrefname}
15444 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
15445 \parbox[t]{\sc@@temp}{\noindent \box0\par \varyourref}\hfill
15446 \fi
15447 \ifx\varyourmail\@empty \else
15448 \settowidth{\sc@temp}{\varyourmail}
15449 \setbox0\hbox{\scriptsize \sf \yourmailname}
15450 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
15451 \parbox[t]{\sc@@temp}{\noindent \box0\par \varyourmail}\hfill
15452 \fi
15453 \ifx\varmyref\@empty \else
15454 \settowidth{\sc@temp}{\varmyref}
15455 \setbox0\hbox{\scriptsize \sf \myrefname}
15456 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
15457 \parbox[t]{\sc@@temp}{\noindent \box0\par \varmyref}\hfill
15458 \fi
15459 \ifx\varcustomer\@empty \else
15460 \settowidth{\sc@temp}{\varcustomer}
15461 \setbox0\hbox{\scriptsize \sf \customername}
15462 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
15463 \parbox[t]{\sc@@temp}{\noindent \box0\par \varcustomer}\hfill
15464 \fi
15465 \ifx\varinvoice\@empty \else
15466 \settowidth{\sc@temp}{\varinvoice}
15467 \setbox0\hbox{\scriptsize \sf \invoicename}
15468 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
15469 \parbox[t]{\sc@@temp}{\noindent \box0\par \varinvoice}\hfill
15470 \fi
15471 \ifx\varrefitemi\@empty \else
15472 \settowidth{\sc@temp}{\varrefitemi}
15473 \setbox0\hbox{\scriptsize \sf \varrefitemnamei}
15474 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
15475 \parbox[t]{\sc@@temp}{\noindent \box0\par \varrefitemi}\hfill
15476 \fi

```



```

15477 \ifx\varrefitemii\empty \else
15478 \settowidth{\sc@temp}{\varrefitemii}
15479 \setbox0\hbox{\scriptsize \sf \varrefitemnameii}
15480 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
15481 \parbox[t]{\sc@@temp}{\noindent \box0\par \varrefitemii}\hfill
15482 \fi
15483 \ifx\varrefitemiii\empty \else
15484 \settowidth{\sc@temp}{\varrefitemiii}
15485 \setbox0\hbox{\scriptsize \sf \varrefitemnameiii}
15486 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
15487 \parbox[t]{\sc@@temp}{\noindent \box0\par \varrefitemiii}\hfill
15488 \fi
15489 \ifx\@date\empty \else
15490 \settowidth{\sc@temp}{\@date}
15491 \setbox0\hbox{\scriptsize \sf \datename}
15492 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
15493 \parbox[t]{\sc@@temp}{\noindent \box0\par \@date}
15494 \fi
15495 \par
15496 \vspace{2.5\baselineskip}
15497 \else
15498 {\ifx\@date\empty \else \if@RTL\raggedright\else\raggedleft\fi\fromplace\ \@date\par \fi}
15499 \vspace{1.5\baselineskip}
15500 \fi}
15501 \long\def\closing#1{\par\nobreak\vspace{0.5\baselineskip}
15502 \stopbreaks \noindent \sc@temp\textwidth \advance\sc@temp by
15503 -\sigindent \hspace{\sigindent}%
15504 \parbox{\sc@temp}{\if@RTL\raggedleft\else\raggedright\fi\ignorespaces #1\mbox{}}\[\presig@ski
15505 \fromsig\strut}\par
15506 \vspace{1.5\baselineskip}}

```

7.101 scrreprt-xetex-bidi.def

```

15507 \ProvidesFile{scrreprt-xetex-bidi.def}[2015/11/14 v0.8 bidi adaptations for scrreprt class for X
15508 \newcommand{\scr@saved@LTRfootnotetext}{}
15509 \newcommand{\scr@saved@RTLfootnotetext}{}
15510 \let\scr@saved@footnotetext\@footnotetext
15511 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
15512 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
15513 \renewcommand{\@footnotetext}[1]{%
15514 \scr@saved@footnotetext{#1}%
15515 \csname FN@mf@prepare\endcsname
15516 }
15517 \renewcommand{\@LTRfootnotetext}[1]{%
15518 \scr@saved@LTRfootnotetext{#1}%
15519 \csname FN@mf@prepare\endcsname
15520 }
15521 \renewcommand{\@RTLfootnotetext}[1]{%
15522 \scr@saved@RTLfootnotetext{#1}%
15523 \csname FN@mf@prepare\endcsname

```




```

15524 }
15525 \renewcommand\deffootnote[4][1]{%
15526   \long\def\@makefnmark##1{%
15527     \setlength{\@tempdimc}{#3}%
15528     \def\@tempa{#1}\ifx\@tempa\@empty
15529       \setpar{\@par
15530         \@tempdima = \hsize
15531         \addtolength{\@tempdima}{-#2}%
15532         \if@RTL\parshape \@one Opt \@tempdima\else\parshape \@one #2 \@tempdima\fi}%
15533     \else
15534       \addtolength{\@tempdimc}{#2}%
15535       \addtolength{\@tempdimc}{-#1}%
15536       \setpar{\@par
15537         \@tempdima = \hsize
15538         \addtolength{\@tempdima}{-#1}%
15539         \@tempdimb = \hsize
15540         \addtolength{\@tempdimb}{-#2}%
15541         \if@RTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #2 \@t
15542       }%
15543     \fi
15544     \par
15545     \parindent\@tempdimc\noindent
15546     \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
15547   }%
15548   \def\@makefnmark{\hbox{\ftn@font{#4}}}%
15549 }
15550 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
15551 \renewcommand*\left@footnoterule{%
15552   \normalsize\ftn@rule@test@values
15553   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
15554   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
15555   {\usekomafont{footnoterule}{%
15556     \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
15557   \kern 2.6\p@}
15558 \renewcommand*\right@footnoterule{%
15559   \normalsize\ftn@rule@test@values
15560   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
15561   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
15562   {\usekomafont{footnoterule}{%
15563     \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\leader
15564     \kern 2.6\p@}
15565   \renewcommand*\maketitle[1][1]{%
15566     \if@titlepage
15567       \begin{titlepage}
15568         \setcounter{page}{%
15569           #1%
15570         }%
15571         \let\footnotesize\small
15572         \let\right@footnoterule\relax
15573         \let\left@footnoterule\relax

```



```

15574 \let\textwidth@footnoterule\relax
15575 \let\footnote\thanks
15576 \let\LTRfootnote\LTRthanks
15577 \let\RTLfootnote\RTLthanks
15578 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
15579 \let\@oldmakefnmark\@makefnmark
15580 \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}%
15581 \ifx\@extratitle\@empty \else
15582 \noindent\@extratitle\next@tpage\cleardoubleemptypage
15583 \thispagestyle{empty}%
15584 \fi
15585 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
15586 \ifx\@titlehead\@empty \else
15587 \begin{minipage}[t]{\textwidth}%
15588 \@titlehead
15589 \end{minipage}\par
15590 \fi
15591 \null\vfill
15592 \begin{center}
15593 \ifx\@subject\@empty \else
15594 {\subject@font \@subject \par}%
15595 \vskip 3em
15596 \fi
15597 {\titlefont\huge \@title\par}%
15598 \vskip 1em
15599 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
15600 \vskip 2em
15601 {\Large \lineskip 0.75em
15602 \begin{tabular}[t]{c}
15603 \@author
15604 \end{tabular}\par
15605 }%
15606 \vskip 1.5em
15607 {\Large \@date \par}%
15608 \vskip \z@\@plus3fill
15609 {\Large \@publishers \par}%
15610 \vskip 3em
15611 \end{center}\par
15612 \@thanks
15613 \vfill\null
15614 \if@twoside\next@tpage
15615 \begin{minipage}[t]{\textwidth}
15616 \@uppertitleback
15617 \end{minipage}\par
15618 \vfill
15619 \begin{minipage}[b]{\textwidth}
15620 \@lowertitleback
15621 \end{minipage}
15622 \fi
15623 \ifx\@dedication\@empty \else

```



```

15624         \next@tpage\null\vfill
15625         {\centering \Large \@dedication \par}%
15626         \vskip \z@ \@plus3fill
15627         \if@twoside \next@tpage\cleardoubleemptypage \fi
15628     \fi
15629     \end{titlepage}
15630 \else
15631     \par
15632     \@tempcnta=%
15633     #1%
15634     \relax\ifnum\@tempcnta=1\else
15635         \ClassWarning{KOMAClassName}{%
15636             Optional argument of \string\maketitle\space ignored
15637             at\MessageBreak
15638             notitlepage-mode%
15639         }%
15640     \fi
15641     \begingroup
15642         \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
15643         \let\@oldmakefnmark\@makefnmark
15644         \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}
15645         \if@twocolumn
15646             \ifnum \col@number=\@ne
15647                 \@maketitle
15648             \else
15649                 \twocolumn[\@maketitle]%
15650             \fi
15651         \else
15652             \newpage
15653             \global\@topnum\z@
15654             \@maketitle
15655         \fi
15656         \thispagestyle{\titlepagestyle}\@thanks
15657     \endgroup
15658     \fi
15659     \setcounter{footnote}{0}%
15660     \let\thanks\relax
15661     \let\LTRthanks\relax
15662     \let\RTLthanks\relax
15663     \let\maketitle\relax
15664     \let\@maketitle\relax
15665     \global\let\@thanks\@empty
15666     \global\let\@author\@empty
15667     \global\let\@date\@empty
15668     \global\let\@title\@empty
15669     \global\let\@subtitle\@empty
15670     \global\let\@extratitle\@empty
15671     \global\let\@titlehead\@empty
15672     \global\let\@subject\@empty
15673     \global\let\@publishers\@empty

```



```

15674 \global\let\@uppertitleback\@empty
15675 \global\let\@lowertitleback\@empty
15676 \global\let\@dedication\@empty
15677 \global\let\author\relax
15678 \global\let\title\relax
15679 \global\let\extratitle\relax
15680 \global\let\titlehead\relax
15681 \global\let\subject\relax
15682 \global\let\publishers\relax
15683 \global\let\uppertitleback\relax
15684 \global\let\lowertitleback\relax
15685 \global\let\dedication\relax
15686 \global\let\date\relax
15687 \global\let\and\relax
15688 }%
15689 \renewcommand*{\@maketitle}{%
15690 \clearpage
15691 \let\footnote\thanks
15692 \let\LTRfootnote\LTRthanks
15693 \let\RTLfootnote\RTLthanks
15694 \ifx\@extratitle\@empty \else
15695 \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
15696 \fi
15697 \setparsizes{z@}{z@}{z@\@plus 1fil}\par@updaterelative
15698 \ifx\@titlehead\@empty \else
15699 \begin{minipage}[t]{\textwidth}
15700 \@titlehead
15701 \end{minipage}\par
15702 \fi
15703 \null
15704 \vskip 2em%
15705 \begin{center}%
15706 \ifx\@subject\@empty \else
15707 {\subject@font \@subject \par}
15708 \vskip 1.5em
15709 \fi
15710 {\titlefont\huge \@title \par}%
15711 \vskip .5em
15712 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
15713 \vskip 1em
15714 {\Large
15715 \lineskip .5em%
15716 \begin{tabular}[t]{c}
15717 \@author
15718 \end{tabular}\par
15719 }%
15720 \vskip 1em%
15721 {\Large \@date \par}%
15722 \vskip z@ \@plus 1em
15723 {\Large \@publishers \par}

```



```

15724 \ifx\@dedication\@empty \else
15725 \vskip 2em
15726 {\Large \@dedication \par}
15727 \fi
15728 \end{center}}%
15729 \par
15730 \vskip 2em
15731 }%
15732 \renewcommand*{\l@part[2]{%
15733 \ifnum \c@tocdepth >-2\relax
15734 \addpenalty{-\@highpenalty}%
15735 \addvspace{2.25em \@plus\p@}%
15736 \setlength{\@tempdima}{2em}%
15737 \if@tocleft
15738 \ifx\toc@l@number\@empty\else
15739 \setlength{\@tempdima}{0\toc@l@number}%
15740 \fi
15741 \fi
15742 \begingroup
15743 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15744 \parfillskip -\@pnumwidth
15745 \leavevmode
15746 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
15747 \hskip -\if@RTL\rightskip\else\leftskip\fi
15748 {\usekomafont{partentry}{#1\nobreak
15749 \usekomafont{partentry}{pagenumber}{\hfil\nobreak
15750 \hb@xt@\@pnumwidth{\hss#2}}}\par
15751 \ifnum \scr@compatibility>\@nameuse{scr@v@2.96}\relax
15752 \endgroup
15753 \penalty20010
15754 \else
15755 \penalty\@highpenalty
15756 \endgroup
15757 \fi
15758 \fi
15759 }
15760 \renewcommand*{\l@chapter[2]{%
15761 \ifnum \c@tocdepth >\m@ne
15762 \ifnum \lastpenalty<20010
15763 \addpenalty{-\@highpenalty}%
15764 \fi
15765 \vskip 1.0em \@plus\p@
15766 \setlength{\@tempdima}{1.5em}%
15767 \if@tocleft
15768 \ifx\toc@l@number\@empty\else
15769 \setlength{\@tempdima}{0\toc@l@number}%
15770 \fi
15771 \fi
15772 \begingroup
15773 \raggedchapterentry

```



```

15774 \parindent \z@ \advance\if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15775 \parfillskip -\@pnumwidth
15776 \interlinepenalty\@M
15777 \leavevmode
15778 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightsk
15779 {\usekomafont{chapterentry}{#1\nobreak
15780 \usekomafont{chapterentrypagenumber}{%
15781 \hfill\nobreak
15782 \hb@xt@\@pnumwidth{\hss#2}}}\par
15783 \ifnum \scr@compatibility>\@nameuse{scr@v@2.96}\relax
15784 \endgroup
15785 \penalty20009
15786 \else
15787 \penalty\@highpenalty
15788 \endgroup
15789 \fi
15790 \fi
15791 }
15792 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
15793 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
15794 \renewcommand*\thesection{%
15795 \thechapter\@SepMark%
15796 \@arabic\c@section
15797 }
15798 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@subsection}
15799 \renewcommand*{\thesubsubsection}{%
15800 \thesubsection\@SepMark\@arabic\c@subsubsection
15801 }
15802 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
15803 \renewcommand*{\thesubparagraph}{%
15804 \theparagraph\@SepMark\@arabic\c@subparagraph
15805 }
15806 \renewcommand*\thefigure{%
15807 \thechapter\@SepMark%
15808 \@arabic\c@figure
15809 }
15810 \renewcommand*\thetable{%
15811 \thechapter\@SepMark%
15812 \@arabic\c@table
15813 }
15814 \renewcommand*\theequation{%
15815 \thechapter\@SepMark%
15816 \@arabic\c@equation
15817 }
15818 \renewenvironment{thebibliography}[1]{%
15819 \if@bib@break@
15820 \bib@beginhook
15821 \else
15822 \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
15823 \setchapterpreamble{\bibpreamble}%

```



```

15824 \fi\fi
15825 \bib@heading
15826 \bib@beginhook
15827 \bib@before@hook
15828 \fi
15829 \renewcommand{\BreakBibliography}[1]{%
15830 \@bib@break
15831 \end{thebibliography}%
15832 \begingroup ##1\endgroup
15833 \begin{thebibliography}{#1}
15834 }%
15835 \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
15836 \list{%
15837 \@biblabel{\@arabic\c@enumiv}%
15838 }{%
15839 \settowidth\labelwidth{\@biblabel{#1}}%
15840 \leftmargin\labelwidth
15841 \advance\leftmargin\labelsep
15842 \@openbib@code
15843 \if@bib@break@
15844 \edef\@tempa{%
15845 \noexpand\usecounter{enumiv}%
15846 \noexpand\setcounter{enumiv}{\the\c@enumiv}%
15847 }\@tempa
15848 \no@bib@break
15849 \else
15850 \usecounter{enumiv}%
15851 \fi
15852 \let\p@enumiv\@empty
15853 \renewcommand*\theenumiv{\@arabic\c@enumiv}%
15854 }%
15855 \sloppy\clubpenalty4000 \widowpenalty4000
15856 \sfcode`\.=\@m
15857 }{%
15858 \if@bib@break@
15859 \def\@noitemerr{%
15860 \@latex@warning{%
15861 \string\BreakBibliography\space at begin of `thebibliography'
15862 environment\MessageBreak
15863 or following \string\BreakBibliography}%
15864 }%
15865 \else
15866 \def\@noitemerr{%
15867 \@latex@warning{%
15868 Empty `thebibliography' environment or
15869 \string\BreakBibliography\MessageBreak
15870 before end of `thebibliography' environment}%
15871 }%
15872 \fi
15873 \endlist

```



```

15874 \if@bib@break@
15875 \else
15876 \bib@after@hook
15877 \let\bib@before@hook\@empty
15878 \let\bib@after@hook\@empty
15879 \fi
15880 \bib@endhook
15881 }
15882 \renewcommand*\left@footnoterule{%
15883 \kern-3\p@
15884 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
15885 \hrule\@width.4\columnwidth
15886 \kern 2.6\p@}
15887 \renewcommand*\right@footnoterule{%
15888 \kern-3\p@
15889 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
15890 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
15891 \kern2.6\p@}
15892 \renewcommand*{\raggeddictum}{\if@RTL\raggedright\else\raggedleft\fi}
15893 \renewcommand*{\raggeddictumtext}{\if@RTL\raggedleft\else\raggedright\fi}
15894 \renewcommand*{\raggeddictumauthor}{\if@RTL\raggedright\else\raggedleft\fi}
15895 \renewcommand\marginline[1]{%
15896 \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
15897 }
15898 \renewcommand{\@makecaption}[3]{%
15899 \cap@margin
15900 \ifonelinecaptions
15901 \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
15902 \let\scr@tmp@footnotetext=\@footnotetext
15903 \let\@footnotetext=\@gobble
15904 \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
15905 \let\@LTRfootnotetext=\@gobble
15906 \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
15907 \let\@RTLfootnotetext=\@gobble
15908 \sbox\@tempboxa{%
15909 {\capfont{\strut\ignorespaces
15910 #1{\caplabelfont{#2\captionformat}}}%
15911 #3\unskip\strut}}%
15912 }%
15913 \let\@footnotetext=\scr@tmp@footnotetext
15914 \let\scr@tmp@footnotetext=\undefined
15915 \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
15916 \let\scr@tmp@LTRfootnotetext=\undefined
15917 \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
15918 \let\scr@tmp@RTLfootnotetext=\undefined
15919 \setcounter{footnote}{\@tempcntb}%
15920 \setcounter{mpfootnote}{\@tempcnta}%
15921 \else
15922 \sbox\@tempboxa{\hspace*{2\cap@width}}%
15923 \fi

```




```

15924 \begingroup%
15925   \setlength{\@tempdima}{\cap@width}%
15926   \ifdim \wd\@tempboxa >\@tempdima
15927     \hb@xt@\hsize{%
15928       \setbox\@tempboxa\vbox{\hsize=\cap@width
15929         \ifdofullc@p
15930           {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
15931             #1{\caplabelfont{#2\captionformat}}}}}%
15932             {\#3\unskip\strut\par}}}%
15933         \else%
15934           \ifdim\cap@indent<\z@
15935             {\capfont{\strut\ignorespaces
15936               #1{\caplabelfont{#2\captionformat\par}}}%
15937               \noindent\hspace*{-\cap@indent}\#3\unskip\strut\par}}%
15938           \else%
15939             \if@capbreak
15940               {\capfont{\strut\ignorespaces
15941                 #1{\caplabelfont{#2\captionformat\par}}}%
15942                 \noindent\@hangfrom{\hspace*{\cap@indent}}{\#3\par}}}%
15943             \else
15944               {\capfont{\@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}}%
15945                 {\hspace*{-\cap@indent}\scr@smashdp{\ignorespaces#1%
15946                   {\caplabelfont{#2\captionformat}}}\#3\unskip\strut\par}}}%
15947             \fi
15948           \fi
15949         \fi
15950       }%
15951       \setlength{\@tempdima}{\ht\@tempboxa}%
15952       \addtolength{\@tempdima}{\dp\@tempboxa}%
15953       \addtolength{\@tempdima}{-\ht\strutbox}%
15954       \ht\@tempboxa\ht\strutbox
15955       \dp\@tempboxa\@tempdima
15956       \strut\cap@left
15957       \box\@tempboxa
15958       \cap@right\strut
15959     }%
15960   \else
15961     \global \@minipagefalse
15962     \sbox\@tempboxa{%
15963       {\capfont{\scr@smashdp{\strut\ignorespaces
15964         #1{\caplabelfont{#2\captionformat}}}%
15965         #3}}%
15966     }%
15967     {\capfont{\hb@xt@\hsize{\strut\cap@left\if@RTL\beginR\fi\box\@tempboxa\if@RTL\endR\fi\cap@right\strut}}%
15968     \fi
15969   \endgroup
15970 }
15971 \renewcommand{\@makecaption}[2]{%
15972   \if@captionabove
15973     \vskip\belowcaptionskip

```



```

15974 \else
15975 \vskip\abovecaptionskip
15976 \fi
15977 \@makecaption\@firstofone{#1}{#2}%
15978 \if@captionabove
15979 \vskip\abovecaptionskip
15980 \else
15981 \vskip\belowcaptionskip
15982 \fi
15983 }
15984 \bidi@AfterFile{longtable-xetex-bidi.def}{%
15985 \@ifpackageloaded{caption2}{\@komalongtablefalse
15986 \scr@caption@before@longtable@warning{caption2}%
15987 }{}%
15988 \if@komalongtable
15989 \renewcommand{\LT@makecaption}[3]{%
15990 \noalign{%
15991 \if@captionabove
15992 \vskip\belowcaptionskip
15993 \else
15994 \vskip\abovecaptionskip
15995 \fi
15996 }%
15997 \LT@mcol\LT@cols c{%
15998 \hbox to\z@{\hss\parbox[t]{linewidth{%
15999 \@makecaption{#1}{#2}{#3}%
16000 \endgraf
16001 \if@captionabove
16002 \vskip\abovecaptionskip
16003 \else
16004 \vskip\belowcaptionskip
16005 \fi
16006 }%
16007 \hss
16008 }%
16009 }%
16010 }%
16011 \renewcommand*\scr@LT@array}{}%
16012 \let\scr@LT@array=\LT@array
16013 \renewcommand*\LT@array{%
16014 \let\scr@caption=\LT@caption
16015 \def\captionabove{\noalign{\global\@captionabovetrue}%
16016 \scr@caption}%
16017 \def\captionbelow{\noalign{\global\@captionabovefalse}%
16018 \scr@caption}%
16019 \if@tablecaptionabove
16020 \let\LT@caption=\captionabove
16021 \else
16022 \let\LT@caption=\captionbelow
16023 \fi

```



```

16024     \scr@LT@array
16025   }%
16026   \ClassInfo{\KOMAClassName}{%
16027     longtable captions redefined%
16028   }%
16029 \fi
16030 }

```

7.102 sidecap-xetex-bidi.def

```

16031 \ProvidesFile{sidecap-xetex-bidi.def}[2010/08/01 v0.1 bidi adaptations for sidecap package for Xe
16032 \renewcommand*{\SC@FLOAT}[2]{\if@RTL%
16033   \isSC@ODD{#1}\hspace{\sidecaptionsep}{#2}} {{#2}\hspace{\sidecaptionsep}{#1}}\else%
16034 \isSC@ODD{#2}\hspace{\sidecaptionsep}{#1}} {{#1}\hspace{\sidecaptionsep}{#2}}\fi}
16035 \renewcommand*{\SC@justify@caption}{\if@RTL%
16036 \isSC@ODD{\RaggedLeft}{\RaggedRight}\else%
16037   \isSC@ODD{\RaggedRight}{\RaggedLeft}\fi}

```

7.103 soul-xetex-bidi.def

```

16038 \ProvidesFile{soul-xetex-bidi.def}[2015/10/16 v0.1 bidi adaptations for soul package for XeTeX e
16039 \long\def\SOUL@start#1{%
16040   \let\bidi@RTL@everypar\@empty
16041   \let<\SOUL@lowerthan
16042   \let>\empty
16043   \def\soulomit{\noexpand\soulomit}%
16044   \gdef\SOUL@eventuallyexhyphen##1{%
16045     \let\SOUL@soeventuallyskip\relax
16046     \SOUL@spaceskip=\fontdimen\tw@\font\@plus\fontdimen\thr@\font
16047       \@minus\fontdimen4\font
16048     \SOUL@ignorespacesfalse
16049     \leavevmode
16050     \SOUL@preamble
16051     \SOUL@lasttoken={}%
16052     \SOUL@word={}%
16053     \SOUL@minus\z@
16054     \SOUL@comma\z@
16055     \SOUL@apo\z@
16056     \SOUL@grave\z@
16057     \SOUL@do{#1}%
16058     \SOUL@postamble
16059 }}
16060 \def\SOUL@ulunderline#1{%
16061   \setbox\z@\hbox{#1}%
16062   \dimen@=\wd\z@
16063   \dimen@i=\SOUL@uloverlap
16064   \advance\dimen@2\dimen@i
16065   \if@RTL
16066     \unhcopy\z@
16067     \llap{%
16068       \null

```



```

16069         \kern-\dimen@i
16070         \SOUL@ulcolor{\SOUL@ulleaders\hskip\dimen@}%
16071     }%
16072     \else
16073     \rlap{%
16074         \null
16075         \kern-\dimen@i
16076         \SOUL@ulcolor{\SOUL@ulleaders\hskip\dimen@}%
16077     }%
16078     \unhcopy\z@
16079     \fi
16080 }}
16081 \def\bid@SOUL@ulleaders{%
16082     \leaders\hb@xt@0.1pt{\hss\SOUL@ulcolor{\vrule\@depth\SOUL@uldp\@height\SOUL@ulht}\hss}\relax
16083 }
16084 \def\SOUL@uleveryspace#1{%
16085     \if@RTL
16086     #1%
16087     \bid@SOUL@ulleaders
16088     \hskip\spaceskip
16089     \else
16090     \SOUL@ulcolor{%
16091     #1%
16092     \SOUL@ulleaders
16093     \hskip\spaceskip
16094     }%
16095     \fi
16096     \null
16097 }

```

7.104 stabular-xetex-bidi.def

```

16098 \ProvidesFile{stabular-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for stabular package for
16099 \def\@stabular{\if@RTL\@RTLtabtrue\fi
16100     \leavevmode \bgroup \if@RTLtab\beginR \fi
16101     \let\@acol\@tabacol
16102     \let\@classz\@tabclassz
16103     \let\@classiv\@tabclassiv \let\\\@tabularcr\@stabarray}
16104 \def\endstabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
16105     \egroup \if@RTLtab\endR\fi\egroup
16106     \@RTLtabfalse}
16107 \expandafter \let \csname endstabular*\endcsname = \endstabular
16108 \def\@sarray[#1]#2{%
16109     \bgroup
16110     \setbox\@arstrutbox\hbox{%
16111         \vrule \@height\arraystretch\ht\strutbox
16112         \@depth\arraystretch \dp\strutbox
16113         \@width\z@}%
16114     \@mkpream{#2}%
16115     \edef\@preamble{%

```



```

16116 \ialign \noexpand\@halignto
16117 \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
16118 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
16119 \let\tabularnewline\%
16120 \let\@sharp##%
16121 \set@typeset@protect
16122 \lineskip\z@skip\baselineskip\z@skip
16123 \if@RTLtab\hbox\bgroup\beginR\if #1t\vtop \else \vbox \fi\bgroup\fi
16124 \@preamble}

```

7.105 subfigure-xetex-bidi.def

```

16125 \ProvidesFile{subfigure-xetex-bidi.def}[2010/03/01 v0.1 bidi adaptations for subfigure package]
16126 \AtBeginDocument{%
16127 \let\p@subfigure=\thefigure
16128 \let\p@subtable=\thetable%
16129 }

```

7.106 tabs-xetex-bidi.def

```

16130 \ProvidesFile{tabs-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for tabs package for XeTeX]
16131 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup
16132 \@RTLtabfalse}
16133
16134 \expandafter\let\csname endtabular*\endcsname=\endtabular
16135
16136 \def\endarray{\ifvmode\csname crcr\endcsname % just do \crr if \ given
16137 \else \[\z@ \global\advance\@arstdepth-\@otarlinesep]%
16138 \fi\egroup\if@RTLtab\egroup\endR\egroup\fi\@unrecurse\egroup}
16139
16140 \def\@array[#1]#2{% remember global variables to allow recursion:
16141 \edef\@unrecurse{\global\@skip@bove\the\@skip@bove
16142 \global\@arstheight\the\@arstheight\global\@arstdepth\the\@arstdepth}%
16143 \let\@otarlinesep\@tarlinesep \global\@skip@bove-\@otarlinesep
16144 \ifx\@classz\@arrayclassz \let\@tarlinesep\arraylinesep
16145 \else \let\@tarlinesep\tablinesep \fi
16146 \divide\@tarlinesep\tw@ % half sep is applied to height & depth
16147 \let\@seesize\relax \let\@rememsize\relax \mkpream{#2}%
16148 \@tempdima\arraystretch\ht\strutbox \@tempdimb\arraystretch\dp\strutbox
16149 \ifdim\@tarlinesep>\z@ % (need \protect for \multicolumn)
16150 \def\@rememsize{\protect\@r@m@msize}\let\@seesize\@s@size
16151 \advance\@tempdima-\@tarlinesep \advance\@tempdimb-\@tarlinesep
16152 \fi \setbox\@arstrutbox\hbox{% set up smaller strut
16153 \vrule \@height\@tempdima \@depth\@tempdimb \@width\z@}%
16154 \let\protect\noexpand
16155 \edef\@preamble{\ialign \noexpand\@halignto \bgroup
16156 \unhcopy\@arstrutbox \@preamble \tabskip\z@skip &\@sharp \cr}%
16157 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
16158 \if#1t\vtop \else \if#1b\vbox \else \vcenter \fi\fi
16159 \bgroup \let\par\@empty
16160 \global\@arstheight\ht\@arstrutbox \global\@arstdepth\dp\@arstrutbox

```



```

16161 \advance\extrarulesep.5\arrayrulewidth
16162 \let\@sharp#\let\protect\relax \lineskip\z@skip \baselineskip\z@skip
16163 \if@RTLtab\hbox\bgroup\beginR\if#1t\top \else \vbox \fi\bgroup\fi
16164 \@preamble}

```

7.107 tabularx-xetex-bidi.def

```

16165 \ProvidesFile{tabularx-xetex-bidi.def}[2014/11/08 v0.1 bidi adaptations for tabularx package for
16166 \def\TX@endtabularx{%
16167   \expandafter\expandafter\expandafter
16168     \TX@find@endtabularxa\csname end\TX@\endcsname
16169     \endtabularx\TX@\endtabularx\TX@find@endtabularxa
16170   \expandafter\TX@newcol\expandafter{\tabularxcolumn{\TX@col@width}}%
16171   \let\verb\TX@verb
16172   \def\@elt##1{\global\value{##1}\the\value{##1}\relax}%
16173   \edef\TX@ckpt{\cl@ckpt}%
16174   \let\@elt\relax
16175   \TX@old@table\maxdimen
16176   \TX@col@width\TX@target
16177   \global\TX@cols\@ne
16178   \TX@typeout@
16179     {\@spaces Table Width\@spaces Column Width\@spaces X Columns}%
16180   \TX@trial{\def\NC@rewrite@X{%
16181     \global\advance\TX@cols\@ne\NC@find p{\TX@col@width}}}%
16182   \loop
16183     \TX@arith
16184     \ifTX@
16185     \TX@trial{}}%
16186   \repeat
16187   {\let\@footnotetext\TX@ftntext\let\@xfootnotenext\TX@xftntext
16188   \let\@LTRfootnotetext\TX@LTRftntext\let\@xLTRfootnotenext\TX@xLTRftntext
16189   \let\@RTLfootnotetext\TX@RTLftntext\let\@xRTLfootnotenext\TX@xRTLftntext
16190   \csname tabular*\expandafter\endcsname\expandafter\TX@target
16191   \the\toks@
16192   \csname endtabular*\endcsname}%
16193   \global\TX@ftn\expandafter{\expandafter}\the\TX@ftn
16194   \ifnum0=`\fi}%
16195   \expandafter\expandafter\expandafter
16196   \TX@find@endtabularxbb
16197   \expandafter\end\expandafter{\TX@}%
16198   \endtabularx\TX@\endtabularx\TX@find@endtabularxb
16199 }
16200
16201 \def\TX@trial#1{%
16202   \setbox\@tempboxa\hbox{%
16203     #1\relax
16204     \let\@footnotetext\TX@trial@ftn
16205     \let\@LTRfootnotetext\TX@trial@ftn
16206     \let\@RTLfootnotetext\TX@trial@ftn
16207     \let\TX@vwarn\@empty

```



```

16208 \expandafter\let\expandafter\tabularx\csname tabular*\endcsname
16209 \expandafter\let\expandafter\endtabularx\csname endtabular*\endcsname
16210 \def\write{\begingroup
16211   \def\let{\afterassignment\endgroup\toks@}%
16212   \afterassignment\let\count@}%
16213   \hbadness\@M
16214   \hfuzz\maxdimen
16215   \let\hbadness\@tempcnta
16216   \let\hfuzz\@tempdima
16217   \expandafter\tabular\the\toks@
16218   \endtabular}%
16219 \TX@ckpt
16220 \TX@typeout@{\@spaces
16221   \expandafter\TX@align
16222   \the\wd\@tempboxa\space\space\space\space\space\@@
16223   \expandafter\TX@align
16224   \the\TX@col@width\space\space\space\space\space\@@
16225   \@spaces\the\TX@cols}}
16226
16227 \long\def\TX@LTRftntext#1{%
16228   \edef\@tempa{\the\TX@ftn\noexpand\LTRfootnotetext
16229     [\the\csname c@\@mpfn\endcsname]}}%
16230   \global\TX@ftn\expandafter{\@tempa{#1}}}%
16231 \long\def\TX@xLTRftntext[#1]#2{%
16232   \global\TX@ftn\expandafter{\the\TX@ftn\LTRfootnotetext[#1]{#2}}}%
16233
16234 \long\def\TX@RTLftntext#1{%
16235   \edef\@tempa{\the\TX@ftn\noexpand\RTLfootnotetext
16236     [\the\csname c@\@mpfn\endcsname]}}%
16237   \global\TX@ftn\expandafter{\@tempa{#1}}}%
16238 \long\def\TX@xRTLftntext[#1]#2{%
16239   \global\TX@ftn\expandafter{\the\TX@ftn\RTLfootnotetext[#1]{#2}}}%

```

7.108 tabulary-xetex-bidi.def

```

16240 \ProvidesFile{tabulary-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tabulary package for
16241 \def\@testpach{\@chclass
16242   \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
16243   \ifnum \@lastchclass=7 5 \else
16244   \ifnum \@lastchclass=8 \tw@ \else
16245   \ifnum \@lastchclass=9 \thr@@
16246   \else \@z@
16247   \ifnum \@lastchclass = 10 \else
16248   \edef\@nextchar{\expandafter\string\@nextchar}%
16249   \@chnum
16250   \if \@nextchar c\@z@ \else
16251   \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
16252   \if \@nextchar \if@RTLtab l\else r\fi\@tw@ \else
16253   \if \@nextchar C7 \else
16254   \if \@nextchar L8 \else

```



```

16255     \if \@nextchar R9 \else
16256     \if \@nextchar J10 \else
16257     \z@ \@chclass
16258     \if \@nextchar |\@ne \else
16259     \if \@nextchar !6 \else
16260     \if \@nextchar @7 \else
16261     \if \@nextchar <8 \else
16262     \if \@nextchar >9 \else
16263     10
16264     \@chnum
16265     \if \@nextchar m\thr@@\else
16266     \if \@nextchar p4 \else
16267     \if \@nextchar b5 \else
16268     \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi \fi \fi
16269     \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi

```

7.109 tc-xetex-bidi.def

```

16270 \ProvidesFile{tc-xetex-bidi.def}[2014/07/08 v0.1 bidi adaptations for Clipping driver for XeTeX]
16271 \def\@cliptoboxdim#1{%
16272     \setbox#1=\hbox{%
16273         \Gin@defaultbp\WIDTH{\wd#1}%
16274         \Gin@defaultbp\DEPTH{\dp#1}%
16275         \@tempdima\ht#1%
16276         \advance\@tempdima\dp#1%
16277         \Gin@defaultbp\TOTALHEIGHT{\@tempdima}%
16278         \beginL\special{pdf:bcontent }%
16279         \special{%
16280             pdf:literal direct
16281             0 -\DEPTH\space \WIDTH\space \TOTALHEIGHT\space re
16282         }%
16283         \special{pdf:literal direct W }%
16284         \special{pdf:literal direct n }%
16285         \if@RTL\beginR\fi\box#1\if@RTL\endR\fi%
16286         \special{pdf:econtent }\endL%
16287     }%
16288 }

```

7.110 titlesec-xetex-bidi.def

```

16289 \ProvidesFile{titlesec-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for titlesec package for XeTeX]
16290 \renewcommand\filright{%
16291     \gdef\ttl@filleft##1{\hskip##1}%
16292     \gdef\ttl@filright##1{\hfill}%
16293     \let\\\@centercr
16294     \advance\rightskip\z@ \@plus 1fil
16295     \parfillskip\z@}
16296 \def\ttlh@hang#1#2#3#4#5#6#7#8{%
16297     \gdef\ttl@makeline##1{\ttl@calc\hspace{#6}##1\ttl@calc\hspace{#7}}%
16298     \setlength\leftskip{#6}%
16299     \setlength\rightskip{#7}%

```




```

16300 \interlinepenalty\@M
16301 \ttl@changecentercr
16302 \ttl@beginlongest
16303 #1{\ifhmode\ttl@hmode@error\fi
16304   \ttl@glcmds
16305   \parindent\z@
16306   \leavevmode
16307   \begingroup
16308   \ifttl@label
16309     \sbox\z@{#2\strut\ttl@calc\hspace{#3}}%
16310     \ifRTL\advance\rightskip\wd\z@\else\advance\leftskip\wd\z@\fi
16311     \llap{\box\z@}%
16312   \fi
16313   #4{#8}%
16314   \kern\z@\strut\@par
16315 \endgroup
16316 \nobreak\ttl@midlongest#5\@par}%
16317 \ttl@endlongest}

```

7.111 titletoc-xetex-bidi.def

```

16318 \ProvidesFile{titletoc-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for titletoc package for
16319 \renewcommand\filright{%
16320   \gdef\ttl@filleft##1{\hskip##1}%
16321   \gdef\ttl@filright##1{\hfill}%
16322   \let\\\@centercr
16323   \advance\rightskip\z@ \@plus 1fil
16324 \parfillskip\z@}
16325 \renewcommand\contentspush[1]{%
16326   \sbox\z@{#1}%
16327   \xdef\ttl@b{\advance\ifRTL\rightskip\else\leftskip\fi\the\wd\z@}%
16328   \aftergroup\ttl@b
16329   \leavevmode\llap{\box\z@}}
16330 \def\ttl@outnoblock#1#2#3{%
16331   \begingroup
16332   \ifnum\ttl@b>\ttl@a
16333     \nobreak
16334   \else\ifnum\ttl@b<\ttl@a
16335     \addpenalty{\@secpenalty}%
16336   \else
16337     \addpenalty{\z@}%
16338   \fi\fi
16339   \ttl@contentsstretch
16340   \nobreak
16341   \ifcase#1\relax\else\interlinepenalty\@M\fi
16342   \parindent\z@
16343   \ifx\@nil#2%
16344     \PackageError{titletoc}{Unimplemented}%
16345     {The optional argument is currently mandatory}%
16346   \else

```



```

16347 \if@RTL\setlength\rightskip{#2}\else
16348 \setlength\leftskip{#2}\fi%
16349 \fi
16350 \if@RTL\setlength\leftskip{\@pnumwidth}\else\setlength\rightskip{\@pnumwidth}\fi%
16351 \let\contentsmargin\ttl@margin
16352 \def\ttl@makeline##1{##1}%
16353 #3%
16354 \addtolength{\parfillskip}{-\ttl@corr}%
16355 \if@RTL\addtolength{\leftskip}{\ttl@corr}\else\addtolength{\rightskip}{\ttl@corr}\fi%
16356 \let\ttl@leaders\leaders}
16357 \renewcommand\ttl@margin[2][\z@]{%
16358 \def\ttl@corr{#1}%
16359 \advance\if@RTL\leftskip\else\rightskip\fi-\@pnumwidth\relax
16360 \advance\if@RTL\leftskip\else\rightskip\fi#2\relax
16361 \def\@pnumwidth{#2}}
16362 \let\ttl@savel@part\l@part
16363 \def\l@part{\ttl@lselect{part}}
16364
16365 \let\ttl@savel@chapter\l@chapter
16366 \def\l@chapter{\ttl@lselect{chapter}}

```

7.112 tocbibind-xetex-bidi.def

```

16367 \ProvidesFile{tocbibind-xetex-bidi.def}[2012/12/12 v0.3 bidi adaptations for tocbibind package]
16368 \if@dotocbib
16369 \ifpackageloaded{natbib}{\% natbib not loaded
16370 \renewcommand{\bibsection}{\tcb@bchapsec}
16371 \renewenvironment{thebibliography}[1]{%
16372 \bibsection
16373 \begin{thebibitemlist}{#1}}{\end{thebibitemlist}}}
16374 \renewenvironment{thebibitemlist}[1]{
16375 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
16376 \list{\@biblabel{\@arabic{c@enumiv}}}%
16377 {\settowidth\labelwidth{\@biblabel{#1}}%
16378 \leftmargin\labelwidth
16379 \advance\leftmargin\labelsep
16380 \@openbib@code
16381 \usecounter{enumiv}%
16382 \let\p@enumiv\@empty
16383 \renewcommand\theenumiv{\@arabic{c@enumiv}}}%
16384 \sloppy
16385 \clubpenalty4000
16386 \@clubpenalty \clubpenalty
16387 \widowpenalty4000%
16388 \sfcode`\.\@m}
16389 {\def\@noitemerr
16390 {\@latex@warning{Empty `thebibliography' environment}}}%
16391 \endlist}
16392
16393 \ifpackagewith{chapterbib}{sectionbib}%

```



```

16394     {\renewcommand{\sectionbib}[2]{}}%
16395     {}
16396
16397 \fi
16398 \if@inltxdoc\else
16399     \renewenvironment{theindex}%
16400     {\if@twocolumn
16401         \@restonecolfalse
16402     \else
16403         \@restonecoltrue
16404     \fi
16405     \if@bibchapter
16406         \if@donumindex
16407             \refstepcounter{chapter}
16408             \twocolumn[\vspace*{2\topskip}%
16409                 \@makechapterhead{\indexname}]]%
16410             \addcontentsline{toc}{chapter}{\protect\numberline{\thechapter}\indexname}
16411             \chaptermark{\indexname}
16412         \else
16413             \if@dotocind
16414                 \twocolumn[\vspace*{2\topskip}%
16415                     \@makeschapterhead{\indexname}]]%
16416                 \prw@mkboth{\indexname}
16417                 \addcontentsline{toc}{chapter}{\indexname}
16418             \else
16419                 \twocolumn[\vspace*{2\topskip}%
16420                     \@makeschapterhead{\indexname}]]%
16421                 \prw@mkboth{\indexname}
16422             \fi
16423         \fi
16424     \else
16425         \if@donumindex
16426             \twocolumn[\vspace*{-1.5\topskip}%
16427                 \@nameuse{\@tocextra}{\indexname}]]%
16428             \csname \@tocextra mark\endcsname{\indexname}
16429         \else
16430             \if@dotocind
16431                 \twocolumn[\vspace*{-1.5\topskip}%
16432                     \toc@headstar{\@tocextra}{\indexname}]]%
16433                 \prw@mkboth{\indexname}
16434                 \addcontentsline{toc}{\@tocextra}{\indexname}
16435             \else
16436                 \twocolumn[\vspace*{-1.5\topskip}%
16437                     \toc@headstar{\@tocextra}{\indexname}]]%
16438                 \prw@mkboth{\indexname}
16439             \fi
16440         \fi
16441     \fi
16442 \thispagestyle{plain}\parindent\z@
16443 \parskip\z@ \@plus .3\p@\relax

```



```

16444 \let\item\@idxitem}
16445 {\if@restonecol\onecolumn\else\clearpage\fi}
16446 \fi

```

7.113 tocloft-xetex-bidi.def

```

16447 \ProvidesFile{tocloft-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for tocloft package for X
16448 \let\cftdot\@SepMark
16449 \if@cfthaspart
16450 \renewcommand*{\l@part}[2]{
16451   \@cftdopartfalse
16452   \ifnum \c@tocdepth >-2\relax
16453     \if@cfthaschapter
16454       \@cftdoparttrue
16455     \fi
16456     \ifnum \c@tocdepth >\m@ne
16457       \if@cfthaschapter\else
16458         \@cftdoparttrue
16459       \fi
16460     \fi
16461   \fi
16462   \if@cftdopart
16463     \if@cfthaschapter
16464       \addpenalty{-\@highpenalty}
16465     \else
16466       \addpenalty\@secpenalty
16467     \fi
16468     \addvspace{\cftbeforepartskip}
16469     \begingroup
16470       {\if@RTL\righskip\else\leftskip\fi \cftpartindent\relax
16471        \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
16472        \parfillskip -\if@RTL\leftskip\else\rightskip\fi
16473        \parindent \cftpartindent\relax\@afterindenttrue
16474        \interlinepenalty\@M
16475        \leavevmode
16476        \@tempdima \cftpartnumwidth\relax
16477        \let\@cftbsnum \cftpartpresnum
16478        \let\@cftasnum \cftpartaftersnum
16479        \let\@cftasnumb \cftpartaftersnumb
16480        \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righskip
16481        {\cftpartfont \cftpartpresnum #1}
16482        \cftpartfillnum{#2}}
16483     \nobreak
16484     \if@cfthaschapter
16485       \global\@nobreaktrue
16486       \everypar{\global\@nobreakfalse\everypar{}}
16487     \else
16488       \if@compatibility
16489         \global\@nobreaktrue
16490         \everypar{\global\@nobreakfalse\everypar{}}

```



```

16491         \fi
16492     \fi
16493 \endgroup
16494 \fi}
16495 \fi
16496 \if@cfthaschapter
16497 \renewcommand*{\l@chapter}[2]{
16498     \ifnum \c@tocdepth >\m@ne
16499         \addpenalty{-\@highpenalty}
16500         \vskip \cftbeforechapskip
16501         {\if@RTL\rightskip\else\leftskip\fi \cftchapindent\relax
16502         \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
16503         \parfillskip -\if@RTL\leftskip\else\rightskip\fi
16504         \parindent \cftchapindent\relax\@afterindenttrue
16505         \interlinepenalty\@M
16506         \leavevmode
16507         \@tempdima \cftchapnumwidth\relax
16508         \let\@cftbsnum \cftchappresnum
16509         \let\@cftasnum \cftchapaftersnum
16510         \let\@cftasnumb \cftchapaftersnumb
16511         \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightski
16512         {\cftchapfont #1}\nobreak
16513         \cftchapfillnum{#2}}
16514     \fi}
16515 \fi
16516 \renewcommand*{\l@section}[2]{%
16517     \ifnum \c@tocdepth >\z@
16518         \if@cfthaschapter
16519             \vskip \cftbeforeseccskip
16520         \else
16521             \addpenalty\@secpenalty
16522             \addvspace{\cftbeforeseccskip}
16523         \fi
16524         {\if@RTL\rightskip\else\leftskip\fi \cftsecindent\relax
16525         \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
16526         \parfillskip -\if@RTL\leftskip\else\rightskip\fi
16527         \parindent \cftsecindent\relax\@afterindenttrue
16528         \interlinepenalty\@M
16529         \leavevmode
16530         \@tempdima \cftsecnumwidth\relax
16531         \let\@cftbsnum \cftsecpresnum
16532         \let\@cftasnum \cftsecaftersnum
16533         \let\@cftasnumb \cftsecaftersnumb
16534         \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightski
16535         {\cftsecfont #1}\nobreak
16536         \cftsecfillnum{#2}}
16537     \fi}
16538 \renewcommand*{\l@subsection}[2]{%
16539     \ifnum \c@tocdepth >\@ne
16540         \vskip \cftbeforesubseccskip

```



```

16541 {\if@RTL\rightrightskip\else\leftskip\fi \cftsubsecindent\relax
16542 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
16543 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
16544 \parindent \cftsubsecindent\relax\@afterindenttrue
16545 \interlinepenalty\@M
16546 \leavevmode
16547 \@tempdima \cftsubsecnumwidth\relax
16548 \let\@cftbsnum \cftsubsecpresnum
16549 \let\@cftasnum \cftsubsecaftersnum
16550 \let\@cftasnumb \cftsubsecaftersnumb
16551 \advance\if@RTL\rightrightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightrightskip
16552 {\cftsubsecfont #1}\nobreak
16553 \cftsubsecfillnum{#2}}
16554 \fi}
16555 \renewcommand*{\l@subsubsection}[2]{%
16556 \ifnum \c@tocdepth >\tw@
16557 \vskip \cftbeforesubsubsecskip
16558 {\if@RTL\rightrightskip\else\leftskip\fi \cftsubsubsecindent\relax
16559 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
16560 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
16561 \parindent \cftsubsubsecindent\relax\@afterindenttrue
16562 \interlinepenalty\@M
16563 \leavevmode
16564 \@tempdima \cftsubsubsecnumwidth\relax
16565 \let\@cftbsnum \cftsubsubsecpresnum
16566 \let\@cftasnum \cftsubsubsecaftersnum
16567 \let\@cftasnumb \cftsubsubsecaftersnumb
16568 \advance\if@RTL\rightrightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightrightskip
16569 {\cftsubsubsecfont #1}\nobreak
16570 \cftsubsubsecfillnum{#2}}
16571 \fi}
16572 \renewcommand*{\l@paragraph}[2]{%
16573 \ifnum \c@tocdepth >3\relax
16574 \vskip \cftbeforeparaskip
16575 {\if@RTL\rightrightskip\else\leftskip\fi \cftparindent\relax
16576 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
16577 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
16578 \parindent \cftparindent\relax\@afterindenttrue
16579 \interlinepenalty\@M
16580 \leavevmode
16581 \@tempdima \cftparanumwidth\relax
16582 \let\@cftbsnum \cftparapresnum
16583 \let\@cftasnum \cftparaaftersnum
16584 \let\@cftasnumb \cftparaaftersnumb
16585 \advance\if@RTL\rightrightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightrightskip
16586 {\cftparafont #1}\nobreak
16587 \cftparafillnum{#2}}
16588 \fi}
16589 \renewcommand*{\l@subparagraph}[2]{%
16590 \ifnum \c@tocdepth >4\relax

```



```

16591 \vskip \cftbeforesubparaskip
16592 {\if@RTL\rightrightskip\else\leftskip\fi \cftsubparaindent\relax
16593 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
16594 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
16595 \parindent \cftsubparaindent\relax\@afterindenttrue
16596 \interlinepenalty\@M
16597 \leavevmode
16598 \@tempdima \cftsubparanumwidth\relax
16599 \let\@cftbsnum \cftsubparapresnum
16600 \let\@cftasnum \cftsubparaaftersnum
16601 \let\@cftasnumb \cftsubparaaftersnumb
16602 \advance\if@RTL\rightrightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightrightskip
16603 {\cftsubparafont #1}\nobreak
16604 \cftsubparafillnum{#2}}
16605 \fi}
16606 \renewcommand*{\l@figure}[2]{%
16607 \ifnum \c@l@ofdepth >\z@
16608 \vskip \cftbeforefigskip
16609 {\if@RTL\rightrightskip\else\leftskip\fi \cftfigindent\relax
16610 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
16611 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
16612 \parindent \cftfigindent\relax\@afterindenttrue
16613 \interlinepenalty\@M
16614 \leavevmode
16615 \@tempdima \cftfignumwidth\relax
16616 \let\@cftbsnum \cftfigpresnum
16617 \let\@cftasnum \cftfigaftersnum
16618 \let\@cftasnumb \cftfigaftersnumb
16619 \advance\if@RTL\rightrightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightrightskip
16620 {\cftfigfont #1}\nobreak
16621 \cftfigfillnum{#2}}
16622 \fi
16623 }
16624 \renewcommand*{\l@table}[2]{%
16625 \ifnum\c@l@otdepth >\z@
16626 \vskip \cftbeforetabskip
16627 {\if@RTL\rightrightskip\else\leftskip\fi \cfttabindent\relax
16628 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
16629 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
16630 \parindent \cfttabindent\relax\@afterindenttrue
16631 \interlinepenalty\@M
16632 \leavevmode
16633 \@tempdima \cfttabnumwidth\relax
16634 \let\@cftbsnum \cfttabpresnum
16635 \let\@cftasnum \cfttabaftersnum
16636 \let\@cftasnumb \cfttabaftersnumb
16637 \advance\if@RTL\rightrightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightrightskip
16638 {\cfttabfont #1}\nobreak
16639 \cfttabfillnum{#2}}
16640 \fi

```



```

16641 }
16642 \renewcommand{\@cftl@subfig}{
16643 \renewcommand*{\l@subfigure}[2]{%
16644 \ifnum \c@lofdepth > \toclevel@subfigure
16645 \vskip \cftbeforesubfigskip
16646 {\if@RTL\rightskip\else\leftskip\fi \cftsubfigindent\relax
16647 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
16648 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
16649 \parindent \cftsubfigindent\relax\@afterindenttrue
16650 \interlinepenalty\@M
16651 \leavevmode
16652 \@tempdima \cftsubfignumwidth\relax
16653 \let\@cftbsnum \cftsubfigpresnum
16654 \let\@cftasnum \cftsubfigaftersnum
16655 \let\@cftasnumb \cftsubfigaftersnumb
16656 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightski
16657 {\cftsubfigfont ##1}\nobreak
16658 \cftsubfigfillnum{##2}}
16659 \fi
16660 }
16661 }
16662 \renewcommand{\@cftl@subtab}{
16663 \renewcommand*{\l@subtable}[2]{%
16664 \ifnum \c@lotdepth > \toclevel@subtable
16665 \vskip \cftbeforesubtabskip
16666 {\if@RTL\rightskip\else\leftskip\fi \cftsubtabindent\relax
16667 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
16668 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
16669 \parindent \cftsubtabindent\relax\@afterindenttrue
16670 \interlinepenalty\@M
16671 \leavevmode
16672 \@tempdima \cftsubtabnumwidth\relax
16673 \let\@cftbsnum \cftsubtabpresnum
16674 \let\@cftasnum \cftsubtabaftersnum
16675 \let\@cftasnumb \cftsubtabaftersnumb
16676 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightski
16677 {\cftsubtabfont ##1}\nobreak
16678 \cftsubtabfillnum{##2}}
16679 \fi
16680 }
16681 }
16682 \renewcommand{\newlistentry}[4][\@empty]{%
16683 \@ifundefined{c@#2}{% check & set the counter
16684 \ifx \@empty#1\relax
16685 \newcounter{#2}
16686 \else
16687 \@ifundefined{c@#1}{\PackageWarning{tocloft}%
16688 {#1 has no counter for use as a `within'}
16689 \newcounter{#2}}%
16690 {\newcounter{#2}[#1]}

```




```

16691 \expandafter\edef\csname the#2\endcsname{%
16692 \expandafter\noexpand\csname the#1\endcsname\@SepMark\noexpand\arabic{#2}}
16693 \fi
16694 \setcounter{#2}{0}
16695 }
16696 {\PackageError{tocloft}{#2 has been previously defined}{\@eha}}
16697
16698 \@namedef{l@#2}##1##2{%
16699 \ifnum \@nameuse{c@#3depth} > #4\relax
16700 \vskip \@nameuse{cftbefore#2skip}
16701 {\if@RTL\righskip\else\leftskip\fi \@nameuse{cft#2indent}\relax
16702 \if@RTL\leftskip\else\righskip\fi \@tocrmarg
16703 \parfillskip -\if@RTL\leftskip\else\righskip\fi
16704 \parindent \@nameuse{cft#2indent}\relax\@afterindenttrue
16705 \interlinepenalty\@M
16706 \leavevmode
16707 \@tempdima \@nameuse{cft#2numwidth}\relax
16708 \expandafter\let\expandafter\@cftbsnum\csname cft#2presnum\endcsname
16709 \expandafter\let\expandafter\@cftasnum\csname cft#2aftersnum\endcsname
16710 \expandafter\let\expandafter\@cftasnumb\csname cft#2aftersnumb\endcsname
16711 \advance\if@RTL\righskip\else\leftskip\fi\@tempdima \null\nobreak\hskip -\if@RTL\righskip
16712 {\@nameuse{cft#2font}##1}\nobreak
16713 \@nameuse{cft#2fillnum}{##2}}
16714 \fi
16715 } % end of l@#2
16716
16717 \expandafter\newlength\csname cftbefore#2skip\endcsname
16718 \setlength{\@nameuse{cftbefore#2skip}}{\z@ \@plus .2\p@}
16719 \expandafter\newlength\csname cft#2indent\endcsname
16720 \expandafter\newlength\csname cft#2numwidth\endcsname
16721 \ifcase #4\relax % 0
16722 \setlength{\@nameuse{cft#2indent}}{0em}
16723 \setlength{\@nameuse{cft#2numwidth}}{1.5em}
16724 \or % 1
16725 \setlength{\@nameuse{cft#2indent}}{1.5em}
16726 \setlength{\@nameuse{cft#2numwidth}}{2.3em}
16727 \or % 2
16728 \setlength{\@nameuse{cft#2indent}}{3.8em}
16729 \setlength{\@nameuse{cft#2numwidth}}{3.2em}
16730 \or % 3
16731 \setlength{\@nameuse{cft#2indent}}{7.0em}
16732 \setlength{\@nameuse{cft#2numwidth}}{4.1em}
16733 \else % anything else
16734 \setlength{\@nameuse{cft#2indent}}{10.0em}
16735 \setlength{\@nameuse{cft#2numwidth}}{5.0em}
16736 \fi
16737 \@namedef{cft#2font}{\normalfont}
16738 \@namedef{cft#2presnum}{ }
16739 \@namedef{cft#2aftersnum}{ }
16740 \@namedef{cft#2aftersnumb}{ }

```



```

16741 \namedef{cft#2dotsep}{\cftdotsep}
16742 \namedef{cft#2leader}{\normalfont\cftdotfill{\@nameuse{cft#2dotsep}}}
16743 \namedef{cft#2pagefont}{\normalfont}
16744 \namedef{cft#2afterpnum}{\}
16745 \namedef{toclevel@#2}{#4}
16746 \namedef{cft#2fillnum}##1{%
16747   {\@nameuse{cft#2leader}}\nobreak
16748   \hb@xt@{\pnumwidth{\hfil\@nameuse{cft#2pagefont}}##1}\@nameuse{cft#2afterpnum}\par}
16749 } % end \newlistentry
16750 \renewcommand{\cftchapterprecistoc}[1]{\addtocontents{toc}{%
16751   {\if@RTL\righskip\else\leftskip\fi \cftchapindent\relax
16752   \advance\if@RTL\righskip\else\leftskip\fi \cftchapnumwidth\relax
16753   \if@RTL\leftskip\else\righskip\fi \@tocrmarg\relax
16754   \textit{#1}\protect\par}}}

```

7.114 tocstyle-xetex-bidi.def

```

16755 \ProvidesFile{tocstyle-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tocstyle package for
16756 \renewcommand*{\tocstyle@dottedtocline}[5]{%
16757   \let\numberline\tocstyle@numberline
16758   \ifnum #1>\c@tocdepth \else
16759     \if@tocstyle@penalties
16760       \begingroup
16761         \@tempcnta 20010
16762         \advance \@tempcnta by -#1
16763         \ifnum \@tempcnta>\lastpenalty
16764           \aftergroup\penalty\aftergroup\@lowpenalty
16765         \fi
16766       \endgroup
16767     \fi
16768     \edef\tocstyledepth{#1}%
16769     \tocstyle@activate@features
16770     \ifx\tocstyle@feature@entryvskip\relax
16771       \vskip \z@ \@plus.2\p@
16772     \else
16773       \addvspace{\tocstyle@feature@entryvskip}%
16774     \fi
16775     {%
16776     \parskip \z@ \parindent \z@ \if@RTL\righskip\else\leftskip\fi \z@ \if@RTL\leftskip\else\righskip\fi
16777       \tocstyle@feature@raggedhook
16778       \@tempdima #3\relax
16779       \@tempdimb #2\relax
16780       \typeout{m (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
16781       \ifnum #1>\z@\relax
16782         \@tempcnta #1\relax \advance\@tempcnta \m@ne
16783         \ifcsname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
16784           \ifcsname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
16785             \@tempdimb
16786             \csname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
16787             \advance\@tempdimb

```



```

16788         \csname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
16789         \fi
16790     \fi
16791 \fi
16792 \typeout{C (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
16793 \ifcsname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname
16794     \ifdim \@tempdimb>
16795         \csname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname\relax
16796         \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
16797             @#1\endcsname{\the\@tempdimb}%
16798     \fi
16799 \else
16800     \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
16801         @#1\endcsname{\the\@tempdimb}%
16802 \fi
16803 \iftocstyle@autolength
16804     \ifcsname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
16805     \@tempdimb \csname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
16806     \relax
16807 \fi
16808     \ifcsname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
16809     \@tempdima \csname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
16810     \relax
16811 \fi
16812     \typeout{a (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
16813     \typeout{A (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
16814 \else
16815     \@tempdimb #2\relax
16816     \typeout{M (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
16817 \fi
16818 \ifcsname tocstyle@unumwidth@\tocstyleTOC @\endcsname
16819     \ifdim \@tempdima>
16820         \csname tocstyle@unumwidth@\tocstyleTOC @\endcsname\relax
16821         \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
16822             @\endcsname{\the\@tempdima}%
16823     \fi
16824 \else
16825     \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
16826         @\endcsname{\the\@tempdima}%
16827 \fi
16828 \ifcase\tocstyle@indentstyle\relax\else
16829     \@tempdimb \z@
16830     \ifcsname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
16831     \@tempdima \csname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
16832     \relax
16833 \fi
16834     \typeout{s (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
16835     \typeout{S (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
16836 \fi
16837 \advance\parindent \@tempdimb\@afterindenttrue

```



```

16838 \advance\if@RTL\rightrightskip\else\leftskip\fi \parindent
16839 \advance\if@RTL\leftskip\else\rightrightskip\fi \@tocrmarg
16840 \parfillskip -\if@RTL\leftskip\else\rightrightskip\fi
16841 \ifx\tocstyle@feature@parfillskip\relax\else
16842 \advance\parfillskip \tocstyle@feature@parfillskip\relax
16843 \fi
16844 \interlinepenalty\@M
16845 \leavevmode
16846 \advance\if@RTL\rightrightskip\else\leftskip\fi \@tempdima
16847 \null\nobreak
16848 \iftocstyle@indentnotnumbered\else
16849 \hskip -\if@RTL\rightrightskip\else\leftskip\fi
16850 \fi
16851 \tocstyle@feature@entryhook
16852 {#4}\nobreak
16853 \ifx\tocstyle@feature@leaders\relax
16854 \leaders\hbox{$\m@th
16855 \mkern \@dotsep mu\hbox{\tocstyle@feature@dothook .}%
16856 \mkern \@dotsep mu$\hfill
16857 \else
16858 \tocstyle@feature@leaders
16859 \fi
16860 \nobreak
16861 \ifx\tocstyle@feature@pagenumberbox\relax
16862 \hb@xt@\@pnumwidth{\hfil\tocstyle@feature@pagenumberhook #5}%
16863 \else
16864 \tocstyle@feature@pagenumberbox{\tocstyle@feature@pagenumberhook #5}%
16865 \fi
16866 \par
16867 }%
16868 \if@tocstyle@penalties
16869 \bgroup
16870 \@tempcnta 20009
16871 \advance\@tempcnta by -#1
16872 \edef\reserved@a{\egroup\penalty\the\@tempcnta\relax}%
16873 \reserved@a
16874 \fi
16875 \fi}
16876 \renewcommand*{\tocstyle@numberline}[1]{%
16877 \beginngroup
16878 \ifx\tocstyle@feature@spaceafternumber\relax
16879 \settowidth\@tempdima{\tocstyle@numberline{#1}\enskip}%
16880 \else
16881 \settowidth\@tempdima{\tocstyle@numberline{#1}}%
16882 \advance \@tempdima \tocstyle@feature@spaceafternumber\relax
16883 \fi
16884 \ifcsname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname
16885 \ifdim \@tempdima >
16886 \csname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname\relax
16887 \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC

```



```

16888         @\tocstyledepth\endcsname{\the\@tempdima}%
16889         \fi
16890         \else
16891             \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
16892             @\tocstyledepth\endcsname{\the\@tempdima}%
16893             \fi
16894         \endgroup
16895         \iftocstyle@indentnotnumbered
16896             \hskip -\if@RTL\rightskip\else\leftskip\fi
16897         \fi
16898         \ifcase \tocstyle@indentstyle
16899             \hb@xt@\@tempdima{\tocstyle@@numberline{#1}\hfil}%
16900         \or
16901             \hb@xt@\@tempdima{\tocstyle@@numberline{#1}\hfil}%
16902         \else
16903             \ifx\tocstyle@feature@spaceafternumber\relax
16904                 \hbox{\tocstyle@@numberline{#1}\enskip}%
16905             \else
16906                 \hbox{\tocstyle@@numberline{#1}\hskip
16907                 \tocstyle@feature@spaceafternumber\relax}%
16908             \fi
16909         \fi
16910     }
16911 \AtBeginDocument{%
16912     \ifcsname l@part\endcsname
16913         \ifcsname l@chapter\endcsname
16914             \setbox\@tempboxa\vbox{\hsize\maxdimen
16915             \l@part{\tocstyle@l@define{part}{-1}}{}}%
16916         \else
16917             \setbox\@tempboxa\vbox{\hsize\maxdimen
16918             \l@part{\tocstyle@l@define{part}{0}}{}}%
16919         \fi
16920     \fi
16921     \ifcsname l@chapter\endcsname
16922         \setbox\@tempboxa\vbox{\hsize\maxdimen
16923         \l@chapter{\tocstyle@l@define{chapter}{0}}{}}%
16924     \fi
16925     \ifcsname l@section\endcsname
16926         \setbox\@tempboxa\vbox{\hsize\maxdimen
16927         \l@section{\tocstyle@l@define{section}{1}}{}}%
16928     \fi
16929     \ifcsname l@subsection\endcsname
16930         \setbox\@tempboxa\vbox{\hsize\maxdimen
16931         \l@subsection{\tocstyle@l@define{subsection}{2}}{}}%
16932     \fi
16933     \ifcsname l@subsubsection\endcsname
16934         \setbox\@tempboxa\vbox{\hsize\maxdimen
16935         \l@subsubsection{\tocstyle@l@define{subsubsection}{3}}{}}%
16936     \fi
16937     \ifcsname l@paragraph\endcsname

```



```

16938 \setbox\@tempboxa\vbox{\hsize\maxdimen
16939 \l@paragraph{\tocstyle@l@define{paragraph}{4}}{}}%
16940 \fi
16941 \ifcsname l@subparagraph\endcsname
16942 \setbox\@tempboxa\vbox{\hsize\maxdimen
16943 \l@subparagraph{\tocstyle@l@define{subparagraph}{5}}{}}%
16944 \fi
16945 \ifcsname l@table\endcsname
16946 \setbox\@tempboxa\vbox{\hsize\maxdimen
16947 \l@table{\tocstyle@l@define{table}{1}}{}}%
16948 \fi
16949 \ifcsname l@figure\endcsname
16950 \setbox\@tempboxa\vbox{\hsize\maxdimen
16951 \l@figure{\tocstyle@l@define{figure}{1}}{}}%
16952 \fi
16953 \def\@tempa#1#2#3#4#5{%
16954 \ifnum #1>\c@tocdepth \else
16955 \vskip \z@ \@plus.2\p@
16956 {\ifRTL\righskip\else\leftskip\fi #2\relax \ifRTL\leftskip\else\righskip\fi \@tocrmarg
16957 \parindent #2\relax\@afterindenttrue
16958 \interlinepenalty\@M
16959 \leavevmode
16960 \@tempdima #3\relax
16961 \advance\ifRTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\ifRTL\righskip
16962 {#4}\nobreak
16963 \leaders\hbox{$\m@th
16964 \mkern \dotsep mu\hbox{.}\mkern \dotsep
16965 mu$}\hfill
16966 \nobreak
16967 \hb@xt@\@pnumwidth{{\hfil \normalfont \normalcolor #5}}%
16968 \par}%
16969 \fi}%
16970 \ifx\@dottedtocline\@tempa\else
16971 \tocstyle@macrochangewarning\@dottedtocline
16972 \fi
16973 \let\tocstyle@saved@dottedtocline\@dottedtocline
16974 \def\@tempa#1{\hb@xt@\@tempdima{#1\autodot\hfil}}%
16975 \ifx\numberline\@tempa\else
16976 \def\@tempa#1{\hb@xt@\@tempdima{#1\hfil}}%
16977 \ifx\numberline\@tempa\else
16978 \tocstyle@macrochangewarning\numberline
16979 \fi
16980 \fi
16981 \let\tocstyle@saved@numberline\numberline
16982 }
16983 \renewcommand*{\tocstyle@l@define}[2]{%
16984 \advance\ifRTL\righskip\else\leftskip\fi-\@tempdima
16985 \edef\@tempa{%
16986 \noexpand\global\noexpand\let
16987 \expandafter\noexpand\csname tocstyle@saved@l@#1\endcsname

```



```

16988 \expandafter\noexpand\csname l@#1\endcsname
16989 \noexpand\gdef
16990 \expandafter\noexpand\csname tocstyle@l@#1\endcsname{%
16991 \noexpand\@dottedtocline{#2}{\the\if@RTL\rightskip\else\leftskip\fi}{\the\@tempdima}}%
16992 \noexpand\g@addto@macro\noexpand\tocstyle@activate@all@l@#1{%
16993 \noexpand\let\expandafter\noexpand\csname l@#1\endcsname
16994 \expandafter\noexpand\csname tocstyle@l@#1\endcsname
16995 }%
16996 }%
16997 \PackageInfo{tocstyle}{prepare \expandafter\string
16998 \csname l@#1\endcsname\space for redefinition}%
16999 \@tempa
17000 }

```

7.115 todonotes-xetex-bidi.def

```

17001 \ProvidesFile{todonotes-xetex-bidi.def}[2015/06/17 v0.3 bidi adaptations for todonotes package]
17002 \newif\if@bidi@todonotes@textdirection@RTL
17003 \newif\if@bidi@todonotes@figposition@right
17004 \newcommand{\@bidi@todonotes@align}{}%
17005 \define@key{todonotes}{align}{\renewcommand{\@bidi@todonotes@align}{#1}}%
17006 \newcommand{\@bidi@todonotes@textdirection}{}%
17007 \define@choicekey{todonotes}{textdirection}[\@bidi@todonotes@tempa\@bidi@todonotes@tempb]{right,
17008 \ifcase\@bidi@todonotes@tempb\relax
17009 \@bidi@todonotes@textdirection@RTLtrue
17010 \let\@bidi@todonotes@textdirection\RLE
17011 \or
17012 \@bidi@todonotes@textdirection@RTLfalse
17013 \let\@bidi@todonotes@textdirection\LRE
17014 \fi}
17015 \define@choicekey{todonotes}{figposition}[\@bidi@todonotes@tempa\@bidi@todonotes@tempb]{right,
17016 \ifcase\@bidi@todonotes@tempb\relax
17017 \@bidi@todonotes@figposition@righttrue
17018 \or
17019 \@bidi@todonotes@figposition@rightfalse
17020 \fi}
17021 \if@todonotes@disabled%
17022 \else % \if@todonotes@disabled
17023 \renewcommand{\@todonotes@drawInlineNote}{%
17024 \if@todonotes@dviStyle%
17025 {\par\noindent\begin{tikzpicture}[remember picture]%
17026 \draw node[inlinenotestyle] {};\end{tikzpicture}\par}%
17027 \if@todonotes@authorgiven%
17028 {\noindent \@todonotes@sizecommand \@todonotes@author:\,\@todonotes@text}%
17029 \else%
17030 {\noindent \@todonotes@sizecommand \@todonotes@text}%
17031 \fi
17032 {\par\noindent\begin{tikzpicture}[remember picture]%
17033 \draw node[inlinenotestyle] {};\end{tikzpicture}\par}%
17034 \else%

```



```

17035         {\par\noindent\begin{tikzpicture}[remember picture]%
17036             \if@bidi@todonotes@textdirection@RTL\else\setLTR\fi%
17037             \draw node[inlinenotestyle,font=\@todonotes@sizecommand,align=\@bidi@todonotes@align]{%
17038                 \if@todonotes@authorgiven%
17039                     {\noindent \@todonotes@sizecommand \@todonotes@author:\,\@todonotes@text}%
17040                 \else%
17041                     {\noindent \@todonotes@sizecommand \@todonotes@text}%
17042                 \fi};%
17043             \end{tikzpicture}\par}%
17044     \fi}%
17045 \renewcommand{\@todonotes@drawMarginNoteWithLine}{%
17046 \begin{tikzpicture}[remember picture, overlay, baseline=-0.75ex]%
17047     \node [coordinate] (inText) {};%
17048 \end{tikzpicture}%
17049 \marginpar[{\% Draw note in left margin
17050     \@todonotes@drawMarginNote%
17051     \if@RTL\@todonotes@drawLineToRightMargin\else\@todonotes@drawLineToLeftMargin\fi%
17052 }]{\% Draw note in right margin
17053     \@todonotes@drawMarginNote%
17054     \if@RTL\@todonotes@drawLineToLeftMargin\else\@todonotes@drawLineToRightMargin\fi%
17055 }%
17056 }%
17057 \renewcommand{\@todonotes@drawMarginNote}{%
17058 \if@todonotes@dviStyle%
17059     \begin{tikzpicture}[remember picture]%
17060         \draw node[notestyle] {};%
17061     \end{tikzpicture}\\%
17062     \begin{minipage}{\@todonotes@textwidth}%
17063         \if@todonotes@authorgiven%
17064             \@todonotes@sizecommand \@todonotes@author \@todonotes@text%
17065         \else%
17066             \@todonotes@sizecommand \@todonotes@text%
17067         \fi%
17068     \end{minipage}\\%
17069     \begin{tikzpicture}[remember picture]%
17070         \draw node[notestyle] (inNote) {};%
17071     \end{tikzpicture}%
17072 \else%
17073     \let\originalHbadness\hbadness%
17074     \hbadness 100000%
17075     \begin{tikzpicture}[remember picture,baseline=(X.base)]%
17076         \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
17077         \node(X){\vphantom{X}};%
17078         \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@align]{%
17079             {\@todonotes@text}};%
17080         \if@todonotes@authorgiven%
17081             \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@align]{%
17082                 {\@todonotes@sizecommand\@todonotes@author}};%
17083             \node(Y)[below=of X]{};%
17084             \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@align]{%

```




```

17085             {\@todonotes@text};%
17086         \else%
17087             \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@align]{\@todonotes@text};%
17088             {\@todonotes@text};%
17089         \fi%
17090     \end{tikzpicture}%
17091     \hbadness \originalHbadness%
17092 \fi}%
17093 \renewcommand{\missingfigure}[2][]{%
17094 \setkeys{todonotes}{#1}%
17095 \addcontentsline{tdo}{todo}{\@todonotes@MissingFigureText: #2}%
17096 \par
17097 \noindent
17098 \begin{tikzpicture}
17099 \draw[fill=\@todonotes@currentfigcolor, draw = black!40, line width=2pt]
17100     (-2, -2.5) rectangle +(\@todonotes@currentfigwidth, \@todonotes@currentfigheight);
17101 \if@bidi@todonotes@figposition@right%
17102 \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]
17103 \fi%
17104 \draw[red, fill=white, rounded corners = 5pt, line width=10pt]
17105     (30:2cm) -- (150:2cm) -- (270:2cm) -- cycle;
17106 \if@bidi@todonotes@figposition@right%
17107 \end{scope}
17108 \begin{scope}[xshift=-3.8cm]
17109 \fi%
17110 \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
17111 \draw (2, -0.3) node[right, text
17112     width=\@todonotes@currentfigwidth-4.5cm,align=\@bidi@todonotes@align] {#2};
17113 \if@bidi@todonotes@figposition@right%
17114 \end{scope}
17115 \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]
17116 \fi%
17117 \draw (0, 0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonotes@text}};
17118 \draw (0, -0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonotes@text}};
17119 \if@bidi@todonotes@figposition@right%
17120 \end{scope}
17121 \fi%
17122 \end{tikzpicture}\hfill
17123 }% Ending \missingfigure command
17124 \fi % Ending \@todonotes@ifdisabled
17125 \presetkeys%
17126     {todonotes}%
17127     {align=left,%
17128     textdirection=lefttoright,%
17129     figposition=left}{}%

```

7.116 wrapfig-xetex-bidi.def

```

17130 \ProvidesFile{wrapfig-xetex-bidi.def}[2014/04/23 v0.3 bidi adaptations for wrapfig package for XeTeX]
17131 \let\WF@everypar\@everypar

```



```

17132 \def\WF@putfigmaybe{%
17133 \ifinner
17134 \vskip-\parskip \global\WF@floatfalse
17135 \let\pagetotal\maxdimen % kludge flag for "not top of page"
17136 \else % outer page
17137 \@tempdima\pagedepth % save page depth
17138 {\advance\parskip\@tempdima\ifRTL\advance\parskip\baselineskip\fi\vskip-\parskip}% back up
17139 \penalty\interlinepenalty % update pg. parameters
17140 \@tempdimb\pagegoal \advance\@tempdimb-\pagetotal % room left on page
17141 \ifdim\@tempdimb<\z@ % \WF@info{Page overfull already;}%
17142 \global\WF@floatfalse
17143 \ifdim-\@tempdimb>\pageshrink \else \pagebreak \fi
17144 \else
17145 \ifdim\WF@size>\@tempdimb
17146 \ifWF@float \dimen@.5\baselineskip \else \dimen@ 2\baselineskip\fi
17147 \ifdim\pagestretch>\dimen@ \dimen@\pagestretch \fi
17148 \ifdim\pagefilstretch>\z@ \dimen@\@tempdimb \fi
17149 \ifdim\pagefillstretch>\z@ \dimen@\@tempdimb \fi
17150 \advance\dimen@.5\baselineskip
17151 \ifdim\dimen@>\@tempdimb % \WF@info{Page nearly full; can stretch}%
17152 \global\WF@floatfalse \pagebreak
17153 \fi
17154 \else % \WF@info{Fits in \the\@tempdimb;}%
17155 \global\WF@floatfalse
17156 \fi\fi
17157 \vskip\@tempdima\relax % (return erased page depth)
17158 \fi
17159 \noindent
17160 \ifWF@float
17161 \WF@fltmes
17162 \else % putting here;
17163 \WF@info{Put \WF@wfname here;}%
17164 {\ifodd\if@twoside\c@page\else\@ne\fi % assign l/r to i/o placement
17165 \lccode`i`l\lccode`o`r\else \lccode`i`r\lccode`o`l\fi
17166 \xdef\WF@place{\the\lccode\lccode\WF@place}}% twice to get only l or r
17167 \hbox to\z@{% llap or rlap depending on {l} or {r}; calc effective width
17168 \@tempdima\wd\WF@box \@tempdimb\WF@ovh
17169 \advance\@tempdima-\@tempdimb \advance\@tempdima\columnsep
17170 \@tempdimb\hsize \advance\@tempdimb-\@tempdima
17171 \xdef\WF@adjlw{\the\@tempdima}%
17172 \ifnum`l=\WF@place % fig on left
17173 \ifRTL%
17174 \kern\@tempdimb \kern\columnsep
17175 \def\@tempa{\hss}% position to left of the gap
17176 \else%
17177 \hss % figure overlaps space to the left
17178 \def\@tempa{\kern\columnsep}% position to left of the gap
17179 \fi%
17180 \else % fig on right
17181 \ifRTL%

```



```

17182 \hss
17183 \@tempdima\z@
17184 \def\@tempa{\kern\columnsep}
17185 \else%
17186 \@tempdima\z@ % no left indentation
17187 \kern\@tempdimb \kern\columnsep
17188 \def\@tempa{\hss}% figure overlaps space to the right
17189 \fi%
17190 \fi
17191 \ifdim\@tempdimb<\hsize
17192 \xdef\WF@wrapil{\the\@tempdima \the\@tempdimb}% indentation and length
17193 \xdef\WF@adjtlm{\the\@tempdima}%
17194 \else
17195 \xdef\WF@wrapil{\z@ \the\hsize}%
17196 \xdef\WF@adjlw{\z@}\xdef\WF@adjtlm{\z@}%
17197 \fi
17198 \ifdim\pagetotal=\z@ % \WF@info{Put \WF@wfname at top of p.\thepage}%
17199 \global\advance\WF@size-\intextsep
17200 \else % \WF@info{Putting \WF@wfname in middle of page}%
17201 \setbox\WF@box\hbox{\lower\intextsep\box\WF@box}%
17202 \fi \dp\WF@box\z@ \box\WF@box \@tempa
17203 }% end \hbox to Opt
17204 \aftergroup\WF@startwrapping % after the \endgroup which immediately follows
17205 \fi}

```

7.117 xcolor-xetex-bidi.def

```

17206 \ProvidesFile{xcolor-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for xcolor package for XeT
17207 \long\def\color@b@x#1#2#3%
17208 {\leavevmode\ifmmode\else\ifRTL\beginL\fi\fi
17209 \setbox\z@\hbox{\kern\fbboxsep\set@color\ifRTL\beginR\fi#3\ifRTL\endR\fi}\kern\fbboxsep}%
17210 \dimen@ \ht\z@\advance\dimen@\fbboxsep\ht\z@\dimen@
17211 \dimen@ \dp\z@\advance\dimen@\fbboxsep\dp\z@\dimen@
17212 {#1{#2\color@block{\wd\z@}{\ht\z@}{\dp\z@}\box\z@}}\ifmmode\else\ifRTL\endL\fi\fi}
17213 \def\normalcolor{\let\current@color\default@color\ifhmode\ifRTL\beginL\aftergroup\endR\fi\fi}
17214 \DeclareRobustCommand\color
17215 {\ifhmode\ifRTL\beginL\aftergroup\endR\fi\fi\ifnextchar[\@undeclaredcolor\@declaredcolor}
17216 \def\@undeclaredcolor[#1]#2%
17217 {\begingroup
17218 \let\@cls\@empty
17219 \XC@getmodclr12{#1}{#2}{}%
17220 {\ifblendcolors
17221 \ifx\colorblend\@empty\else
17222 \edef\@cmix{\expandafter@gobble\colorblend}\@tempswafalse
17223 \XC@coremodel\@mod\@clr\@xcolor@{ }\@mod\@clr
17224 \fi
17225 \fi
17226 \ifconvertcolorsU
17227 \edef\@tmp{\XC@tgt@mod{\@mod}}%
17228 \convertcolorspec\@mod\@clr\@tmp\@clr \let\@mod\@tmp

```



```

17229 \fi
17230 \ifmaskcolors
17231 \convertcolorspec\@mod\@clr\XC@mmod\@clr
17232 \let\@mod\XC@mmod
17233 \XC@inflate\@mod\XC@mclr\@clr\@tmp
17234 \expandafter\XC@mul\@tmp,\@clr
17235 \fi
17236 \edef\@tmp{\noexpand\XC@undeclaredcolor{\@mod}{\@clr}}%
17237 \expandafter\endgroup\@tmp}}
17238 \def\@declaredcolor#1%
17239 {\XC@edef\XC@tmp{#1}\XC@@tstfalse
17240 \ifcase\XC@type\XC@tmp\relax \XC@@tsttrue\or \relax\else
17241 \ifblendcolors\XC@tsttrue\fi \ifmaskcolors\XC@tsttrue\fi
17242 \ifconvertcolorsU\XC@tsttrue\fi
17243 \fi
17244 \ifXC@@tst
17245 \expandafter\XC@declaredcolor\else
17246 \expandafter\XC@declaredcolor\fi}
17247 \def\XC@undeclaredcolor#1#2%
17248 {\@ifundefinedmodel{#1}%
17249 {\colorerror{model `#1'}}%
17250 {\@nameuse{color#1}\currentcolor{#2}%
17251 \edef\XC@currentcolor{\noexpand\color{\currentcolor}{#1}{#2}}%
17252 \XC@display}\ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
17253 \def\XC@declaredcolor
17254 {\XC@let\Nc\XC@currentcolor\string\color\XC@tmp}%
17255 \edef\currentcolor{\XC@currentcolor}%
17256 \XC@display\ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
17257 \DeclareRobustCommand\bidicolor
17258 {\@ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor}
17259 \def\@bidiundeclaredcolor[#1]#2%
17260 {\begingroup
17261 \let\@cls\@empty
17262 \XC@getmodclr12{#1}{#2}{}%
17263 {\ifblendcolors
17264 \ifx\colorblend\@empty\else
17265 \edef\@mix{\expandafter\gobble\colorblend}\@tempwafalse
17266 \XC@coremodel\@mod\@clr\@xcolor{\}\@mod\@clr
17267 \fi
17268 \fi
17269 \ifconvertcolorsU
17270 \edef\@tmp{\XC@tgtmod{\@mod}}%
17271 \convertcolorspec\@mod\@clr\@tmp\@clr \let\@mod\@tmp
17272 \fi
17273 \ifmaskcolors
17274 \convertcolorspec\@mod\@clr\XC@mmod\@clr
17275 \let\@mod\XC@mmod
17276 \XC@inflate\@mod\XC@mclr\@clr\@tmp
17277 \expandafter\XC@mul\@tmp,\@clr
17278 \fi

```



```

17279 \edef\@tmp{\noexpand\XC@bidiundeclaredcolor{\@mod}{\@clr}}%
17280 \expandafter\endgroup\@tmp}}
17281 \def\XC@bidiundeclaredcolor#1#2%
17282 {\@ifundefinedmodel{#1}%
17283 {\color@error{model `#1'}}%
17284 {\@nameuse{color@#1}\current@color{#2}}%
17285 \edef\XC@current@color{\noexpand\xcolor@{\current@color}{#1}{#2}}%
17286 \XC@display}}
17287 \def\@bidideclaredcolor#1%
17288 {\XC@edef\XC@tmp{#1}\XC@tstfalse
17289 \ifcase\XC@type\XC@tmp\relax \XC@tsttrue\or \relax\else
17290 \ifblendcolors\XC@tsttrue\fi \ifmaskcolors\XC@tsttrue\fi
17291 \ifconvertcolorsU\XC@tsttrue\fi
17292 \fi
17293 \ifXC@tst
17294 \expandafter\XC@bidideclaredcolor\else
17295 \expandafter\XC@bidideclaredcolor\fi}
17296 \def\XC@bidideclaredcolor
17297 {\XC@split\XC@tmp
17298 \edef\@tmp{\noexpand\@bidiundeclaredcolor[\@mod]{\@clr}}%
17299 \expandafter\endgroup\@tmp}
17300 \def\XC@bidideclaredcolor
17301 {\XC@let\NC\XC@current@color{\string\color@\XC@tmp}%
17302 \edef\current@color{\XC@current@color}%
17303 \XC@display}
17304 \def\color@box#1#2{\color@b@x\relax{\bidicolor#1{#2}}}
17305 \def\color@fbbox#1#2#3{\protect\color@fb@x{#1}{#2}{#3}}
17306 \def\color@fb@x#1#2#3#4%
17307 {\color@b@x{\fbboxsep\z@\bidicolor#1{#2}\XC@fbbox}%
17308 {\@ifempty{#3}{\bidicolor#1}{\bidicolor#3}{#4}}}
17309 \def\color@setgroup{\begingroup\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\setcolor\ifhmode

```

7.118 latex-xetex-bidi.def

```

17310 \ProvidesFile{latex-xetex-bidi.def}[2015/11/14 v1.2.4 bidi adaptations for `latex.ltx' for XeTeX]
17311 \newcommand{\TeXeTOn}{\TeXeTstate=1 }
17312 \newcommand{\TeXeTOff}{\TeXeTstate=0 }
17313 \TeXeTOn
17314 \def\bidi@RTL@everypar{\setbox\z@ \lastbox\if@RTL\beginR\else\beginL\fi\ifvoid\z@\else\usebox\z@
17315 \let\bidi@o@everypar=everypar
17316 \newtoks\bidi@n@everypar
17317 \bidi@n@everypar\expandafter{\the\bidi@o@everypar}
17318 \bidi@o@everypar{\bidi@RTL@everypar\the\bidi@n@everypar}
17319 \let\everypar=\bidi@n@everypar
17320 \def\moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}
17321 \def\moreRLE{\bracetext \aftergroup\endR \beginR\@RTLtrue}
17322 \protected\def\hboxR{\hbox\bgroup
17323 \everyhbox{%
17324 \aftergroup\egroup
17325 \everyhbox{}}%

```



```

17326 \beginR
17327 \bgroup
17328 \aftergroup\endR
17329 \aftergroup\egroup
17330 }\hbox}
17331 \protected\def\hboxL{\hbox\bgroup
17332 \everyhbox{%
17333 \aftergroup\egroup
17334 \everyhbox{}}%
17335 \beginL
17336 \bgroup
17337 \aftergroup\endL
17338 \aftergroup\egroup
17339 }\hbox}
17340 \protected\def\vboxR{\vbox\bgroup
17341 \everyvbox{%
17342 \aftergroup\egroup
17343 \everyvbox{}}%
17344 \@RTLtrue
17345 \bgroup
17346 \aftergroup\egroup
17347 }\vbox}
17348 \protected\def\vboxL{\vbox\bgroup
17349 \everyvbox{%
17350 \aftergroup\egroup
17351 \everyvbox{}}%
17352 \@RTLfalse
17353 \bgroup
17354 \aftergroup\egroup
17355 }\vbox}
17356 \def\LTR{\par\@RTLfalse\@RTL@footnotefalse\hsize\linewidth\parshape\z@}
17357 \def\endLTR{\par}
17358 \def\RTL{\par\@RTLtrue\@RTL@footnotetrue\hsize\linewidth\parshape\z@}
17359 \def\endRTL{\par}
17360 \def\setRTL{\@RTLtrue\@RTL@footnotetrue}
17361 \def\setLTR{\@RTLfalse\@RTL@footnotefalse}
17362 \let\unsetRTL=\setLTR
17363 \let\unsetLTR=\setRTL
17364 \let\LR=\LRE
17365 \let\RL=\RLE
17366 \def\@ensureRTL#1{\if@RTL#1\else\RLE{#1}\fi}
17367 \def\@ensureLTR#1{\if@RTL\LRE{#1}\else#1\fi}
17368 \let\@ensureRL=\@ensureRTL
17369 \let\@ensureLR=\@ensureLTR
17370 \def\@ensure@dir#1{\if@RTL\RLE{#1}\else{#1}\fi}
17371 \let\@ensure@maindir=\@ensure@dir
17372 \def\@RTL{RTL}
17373 \def\@LTR{LTR}
17374 \def\save@dir{\if@RTL\gdef\saved@dir{RTL}\else\gdef\saved@dir{LTR}\fi}
17375 \def\reset@dir{\ifx\saved@dir\@RTL\setRTL\else\ifx\saved@dir\@LTR\setLTR\else\relax\fi\fi}

```



```

17376 \let\@@TeX\TeX
17377 \def\TeX{\@ensure@LTR{\@@TeX}}
17378 \let\@@LaTeX\LaTeX
17379 \def\LaTeX{\@ensure@LTR{\@@LaTeX}}
17380 \let\@@LaTeXe\LaTeXe
17381 \def\LaTeXe{\@ensure@LTR{\@@LaTeXe}}
17382 \long\def\@bidi@reflect@box#1{%
17383   \leavevmode
17384   \setbox\z@\hbox{\{#1\}}%
17385   \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:grestore}}%
17386   \hb@xt@\wd\z@{\kern\wd\z@\box\tw@\hss}%
17387 }
17388 \def\XeTeX{\LR{\leavevmode$\smash{\hbox{X\lower.5ex
17389   \hbox{\kern-.125em\@bidi@reflect@box{E}}\kern-.1667em \TeX}}$}}
17390 \def\XeLaTeX{\LR{\leavevmode$\smash{\hbox{X\lower.5ex
17391   \hbox{\kern-.125em\@bidi@reflect@box{E}}\kern-.1667em \LaTeX}}$}}
17392 \let\setRL=\setRTL
17393 \let\setLR=\setLTR
17394 \let\unsetRL=\setLTR
17395 \def\@bidi@tabular@RTLcases{\let\@halignto\@empty\@bidi@tabular@RTLcases}
17396 \ifpackageloaded{array}{%
17397   \def\@bidi@tabular@RTLcases{\@RTLtabtrue%
17398     \leavevmode
17399     \hbox \bgroup $\left.\col@sep\tabcolsep \let\dollarbegin\begin\group
17400       \let\dollarend\endgroup
17401       \@tabarray}
17402   \def\endbidi@tabular@RTLcases{\endarray \right\rbrace$\egroup\@RTLtabfalse}
17403 }{%
17404   \def\@bidi@tabular@RTLcases{\@RTLtabtrue%
17405     \leavevmode \hbox \bgroup
17406     $\left.\let\@acol\@tabacol
17407     \let\@classz\@tabclassz
17408     \let\@classiv\@tabclassiv \let\\ \@tabularcr\@tabarray}
17409   \def\endbidi@tabular@RTLcases{\crcr\egroup\if@RTLtab\egroup\endR\egroup\fi
17410     \egroup\right\rbrace $\egroup
17411     \@RTLtabfalse}
17412 }
17413 }
17414 \def\RTLcases#1{\left.\vcenter{\normalbaselines\m@th
17415   \ialign{##\hfil$&\quad{##}\hfil\crcr#1\crcr}}\,,\right\}}
17416 \renewenvironment{RTLcases}{%
17417   \bidi@matrix@check\RTLcases\env@RTLcases
17418 }{%
17419   \endbidi@tabular@RTLcases%
17420 }
17421 \def\env@RTLcases{%
17422   \let\@ifnextchar\bidi@new@ifnextchar
17423   \def\arraystretch{1.2}%
17424   \bidi@tabular@RTLcases{@{}r@{\quad}r@{}}%
17425 }

```



```

17426 \def\SepMark#1{\gdef\@SepMark{\if@RTL\fi#1\if@RTL\fi}}
17427 \SepMark{.}
17428 \def\@thmcountersep{\@SepMark}
17429 \def\setRTLbibitems{\@RTLbibitemstrue\@LTRbibitemsfalse}
17430 \def\setLTRbibitems{\@LTRbibitemstrue\@RTLbibitemsfalse}
17431 \def\setdefaultbibitems{\@RTLbibitemsfalse\@LTRbibitemsfalse}
17432 \def\list#1#2{%
17433   \ifnum \@listdepth >5\relax
17434     \@toodeep
17435   \else
17436     \global\advance\@listdepth\@ne
17437   \fi
17438   \rightmargin\z@
17439   \listparindent\z@
17440   \itemindent\z@
17441   \csname @list\romannumeral\the\@listdepth\endcsname
17442   \def\@itemlabel{#1}%
17443   \let\makelabel\@mklab
17444   \@nmbrlistfalse
17445   #2\relax
17446   \@trivlist
17447   \parskip\parsep
17448   \parindent\listparindent
17449   \advance\linewidth -\rightmargin
17450   \advance\linewidth -\leftmargin
17451   \if@bidi@list@minipage@parbox
17452     \if@RTL
17453       \advance\@totalleftmargin \leftmargin
17454     \else
17455       \advance\@totalleftmargin \rightmargin
17456     \fi
17457   \else
17458     \if@RTLtab
17459     \if@bidi@list@minipage@parbox@not@nob
17460     \if@RTL
17461       \advance\@totalleftmargin \rightmargin
17462     \else
17463       \advance\@totalleftmargin \leftmargin
17464     \fi
17465   \else
17466     \if@RTL
17467       \advance\@totalleftmargin \leftmargin
17468     \else
17469       \advance\@totalleftmargin \rightmargin
17470     \fi\fi
17471   \else
17472     \if@RTL
17473       \advance\@totalleftmargin \rightmargin
17474     \else
17475       \advance\@totalleftmargin \leftmargin

```




```

17476 \fi\fi\fi
17477 \parshape \@ne \@totalleftmargin \linewidth
17478 \ignorespaces}
17479 \long\def\@iiparbox#1#2[#3]#4#5{%
17480 \leavevmode
17481 \@pboxswfalse
17482 \if@RTLtab\@bidi@list@minipage@parbox@not@nobtrue\fi
17483 \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\fi\fi
17484 \setlength\@tempdima{#4}%
17485 \@begin@tempboxa\vbox{\hsize\@tempdima\@parboxrestore#5\@par}%
17486 \ifx\relax#2\else
17487 \setlength\@tempdimb{#2}%
17488 \edef\@parboxto{to\the\@tempdimb}%
17489 \fi
17490 \if#1b\vbox
17491 \else\if #1t\vtop
17492 \else\ifmmode\vcenter
17493 \else\@pboxswtrue $\vcenter
17494 \fi\fi\fi
17495 \@parboxto{\let\hss\vss\let\unhbox\unvbox
17496 \csname bm#3\endcsname}%
17497 \if@pboxsw \m@th$\fi
17498 \@end@tempboxa}
17499 \def\@bidi@lrbox#1{%
17500 \edef\reserved@a{%
17501 \endgroup
17502 \setbox#1\hbox{%
17503 \begingroup\aftergroup}%
17504 \def\noexpand\@currentvir{\@currentvir}%
17505 \def\noexpand\@currentvline{\on@line}}%
17506 \reserved@a
17507 \@endpefalse
17508 \color@begingroup
17509 \ignorespaces}
17510 \def\endbidi@lrbox{\unskip\color@endgroup}
17511 \newenvironment{LTRitems}
17512 {\par\@RTLfalse
17513 \if@bidi@list@minipage@parbox
17514 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth
17515 \else \if@RTLtab\if@bidi@list@minipage@parbox@not@nob
17516 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
17517 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
17518 \else \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi\fi
17519 \ignorespaces}{\vskip\z@}
17520 \newenvironment{RTLitems}
17521 {\par\@RTLtrue
17522 \if@bidi@list@minipage@parbox
17523 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
17524 \else \if@RTLtab\if@bidi@list@minipage@parbox@not@nob
17525 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else

```



```

17526         \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
17527         \else \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi\fi
17528         \ignorespaces}{\vskip\z@}
17529 \newenvironment{LTRbibitems}
17530     {\par\@RTLfalse
17531     \if@bidi@list@minipage@parbox
17532     \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth
17533     \else \if@RTLtab\if@bidi@list@minipage@parbox@not@nob
17534     \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
17535     \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
17536     \else \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi\fi
17537     \ignorespaces}{\vskip\z@}
17538 \newenvironment{RTLbibitems}
17539     {\par\@RTLtrue
17540     \if@bidi@list@minipage@parbox
17541     \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
17542     \else \if@RTLtab\if@bidi@list@minipage@parbox@not@nob
17543     \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
17544     \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
17545     \else \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi\fi
17546     \ignorespaces}{\vskip\z@}
17547 \def\raggedright{%
17548     \let\\\@centercr\@rightskip\@flushglue \rightskip\@rightskip
17549     \leftskip\z@skip
17550     \parindent\z@\parfillskip\z@skip}
17551 \let\bidi@orig@raggedleft\raggedleft
17552 \let\bidi@orig@raggedright\raggedright
17553 \renewcommand\raggedleft{\if@bidi@list@minipage@parbox\bidi@orig@raggedright\else\if@RTLtab\b
17554 \renewcommand\raggedright{\if@bidi@list@minipage@parbox\bidi@orig@raggedleft\else\if@RTLtab\b
17555 \newcommand{\bidi@raggedright}{\if@RTL\raggedleft\else\raggedright\fi}
17556 \newcommand{\bidi@raggedleft}{\if@RTL\raggedright\else\raggedleft\fi}
17557 \def\centerline#1{%
17558 \if@RTL\@@line{\hss\beginR#1\endR\hss}
17559 \else\@@line{\hss#1\hss}\fi}
17560 \def\leftline#1{%
17561 \if@RTL\@@line{\beginR#1\endR\hss}
17562 \else\@@line{#1\hss}\fi}
17563 \def\rightline#1{%
17564 \if@RTL\@@line{\hss\beginR#1\endR}
17565 \else\@@line{\hss#1}\fi}
17566 \let\bidi@orig@leftline\leftline
17567 \let\bidi@orig@rightline\rightline
17568 \def\leftline#1{\ifhmode\if@RTL\bidi@orig@rightline{#1}\else\bidi@orig@leftline{#1}\fi\else\i
17569 \def\rightline#1{\ifhmode\if@RTL\bidi@orig@leftline{#1}\else\bidi@orig@rightline{#1}\fi\else\i
17570 \def\bidirlap#1{\hb@xt@\z@{\if@RTL\hss\fi#1\if@RTL\else\hss\fi}}
17571 \def\bidillap#1{\hb@xt@\z@{\if@RTL\else\hss\fi#1\if@RTL\hss\fi}}
17572 \def\hangfrom#1{\setbox\@tempboxa\hbox{#1}}%
17573     \hangindent \if@RTL-\else\fi\wd\@tempboxa\noindent\box\@tempboxa}
17574 \def\narrower{%
17575     \advance\if@RTL\rightskip\else\leftskip\fi\parindent

```



```

17576 \advance\if@RTL\leftskip\else\rightskip\fi\parindent}
17577 \def\underline#1{%
17578 \relax
17579 \ifmmode\@@underline{#1}%
17580 \else
17581 \if@RTL $\@@underline{\hbox{\beginR#1\endR}}\m@th$\relax
17582 \else
17583 $\@@underline{\hbox{#1}}\m@th$\relax\fi\fi}
17584 \ifcompatibility
17585 \let\undertext=\underline
17586 \fi
17587 \global\@RTLtabfalse
17588 \def\@tabular{\if@RTL\@RTLtabtrue\fi
17589 \leavevmode \hbox \bgroup \if@RTLtab\beginR \fi
17590 $\let\@acol\@tabacol
17591 \let\@classz\@tabclassz
17592 \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
17593 \def\endtabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
17594 \egroup $\if@RTLtab\endR\fi\egroup
17595 \@RTLtabfalse}
17596 \expandafter \let \csname endtabular*\endcsname = \endtabular
17597 \def\@array[#1]#2{%
17598 \if #1t\vtop \else \if#1b\vbox \else \vcenter \fi\fi
17599 \bgroup
17600 \setbox\@arstrutbox\hbox{%
17601 \vrule \@height\arraystretch\ht\strutbox
17602 \@depth\arraystretch \dp\strutbox
17603 \@width\z@}%
17604 \@mkpream{#2}%
17605 \edef\@preamble{%
17606 \ialign \noexpand\@halignto
17607 \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
17608 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
17609 \let\tabularnewline\\%
17610 \let\par\@empty
17611 \let\@sharp##%
17612 \set@typeset@protect
17613 \lineskip\z@skip\baselineskip\z@skip
17614 \ifhmode \@preamerr\z@ \@@par\fi
17615 \if@RTLtab\hbox\bgroup\beginR\if #1t\vtop \else \vbox \fi\bgroup\fi
17616 \@preamble}
17617 \def\array{\let\@acol\@arrayacol \let\@classz\@arrayclassz
17618 \let\@classiv\@arrayclassiv
17619 \let\\\@arraycr\let\@halignto\@empty\@RTLtabfalse\@tabarray}
17620 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4 \else
17621 \ifnum \@lastchclass=3 5 \else
17622 \z@ \if #1c\@chnum \z@ \else
17623 \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
17624 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
17625 \@chclass \if #1l\@ne \else

```



```

17626             \if #1@tw@ \else
17627             \if #1p3 \else \z@ \@preamerr 0\fi
17628 \fi \fi \fi \fi \fi \fi
17629 \fi}
17630 \def\bm@l{\if@RTL\hss\unhbox\@tempboxa\else\unhbox\@tempboxa\hss\fi}
17631 \def\bm@r{\if@RTL\unhbox\@tempboxa\hss\else\hss\unhbox\@tempboxa\fi}
17632 \def\bm@t{\unhbox\@tempboxa\hss}
17633 \def\bm@b{\hss\unhbox\@tempboxa}
17634 \def\@dottedtocline#1#2#3#4#5{%
17635 \ifnum #1>\c@tocdepth \else
17636 \vskip \z@ \@plus.2\p@
17637 {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocmarg \
17638 \parindent #2\relax\@afterindenttrue
17639 \interlinepenalty\@M
17640 \leavevmode
17641 \@tempdima #3\relax
17642 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righski
17643 {#4}\nobreak
17644 \leaders\hbox{$\m@th
17645 \mkern \@dotsep mu\hbox{.}\mkern \@dotsep
17646 mu$}\hfill
17647 \nobreak
17648 \hb@xt@\@pnumwidth{{\hfil\normalfont \normalcolor #5}}}%
17649 \par}%
17650 \fi}
17651 \def\RTL@outputdblcol{%
17652 \if@firstcolumn \global \@firstcolumnfalse
17653 \global\setbox\@leftcolumn \box\@outputbox
17654 \else \global \@firstcolumntrue
17655 \setbox\@outputbox \vbox {\hbox to\textwidth {%
17656 \hskip \columnwidth
17657 \hfil \vrule width\columnseprule \hfil
17658 \hbox to\columnwidth {\box\@leftcolumn \hss}%
17659 \hskip -\textwidth
17660 \hbox to\columnwidth{\box\@outputbox \hss}%
17661 \hskip \columnsep
17662 \hskip \columnwidth }}%
17663 \@combinedblfloats \@outputpage
17664 \begingroup \@dblfloatplacement \@startdblcolumn
17665 \@whiles\if@fcolmade \fi
17666 {\@outputpage \@startdblcolumn }\endgroup
17667 \fi}
17668 \def\LTR@outputdblcol{%
17669 \if@firstcolumn
17670 \global \@firstcolumnfalse
17671 \global \setbox\@leftcolumn \box\@outputbox
17672 \else
17673 \global \@firstcolumntrue
17674 \setbox\@outputbox \vbox {%
17675 \hb@xt@\textwidth {%

```



```

17676 \hb@xt@\columnwidth {%
17677 \box\@leftcolumn \hss}%
17678 \hfil
17679 {\normalcolor\vrule \@width\columnseprule}%
17680 \hfil
17681 \hb@xt@\columnwidth {%
17682 \box\@outputbox \hss}%
17683 }%
17684 }%
17685 \@combinedblfloats
17686 \@outputpage
17687 \begingroup
17688 \@dblfloatplacement
17689 \@startdblcolumn
17690 \@whilesw\if@fcolmade \fi
17691 {\@outputpage
17692 \@startdblcolumn}%
17693 \endgroup
17694 \fi
17695 }
17696 \renewcommand{\@outputdblcol}{\if@RTLmain\RTL@outputdblcol\else\LTR@outputdblcol\fi}
17697 \newcommand{\RTLdblcol}{\renewcommand{\@outputdblcol}{\RTL@outputdblcol}}
17698 \newcommand{\LTRdblcol}{\renewcommand{\@outputdblcol}{\LTR@outputdblcol}}
17699 \def\LTRmarginpar{%
17700 \ifhmode
17701 \@bsphack
17702 \@floatpenalty -\@Mii
17703 \else
17704 \@floatpenalty-\@Miii
17705 \fi
17706 \ifinner
17707 \@parmoderr
17708 \@floatpenalty\z@
17709 \else
17710 \@next\@currbox\@freelist{}}}%
17711 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
17712 {\@floatpenalty\z@
17713 \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}}%
17714 \fi
17715 \@ifnextchar [\@LTRxmpar\@LTRympar}
17716 \long\def\@LTRxmpar[#1]#2{%
17717 \@LTRsavemarbox\@marbox{#1}%
17718 \@LTRsavemarbox\@currbox{#2}%
17719 \@xympar}
17720 \long\def\@LTRympar#1{%
17721 \@LTRsavemarbox\@marbox{#1}%
17722 \global\setbox\@currbox\copy\@marbox
17723 \@xympar}
17724 \long\def \@LTRsavemarbox #1#2{%
17725 \global\setbox #1%

```



```

17726 \color@vbox
17727 \vtop{%
17728 \hsize\marginparwidth
17729 \@parboxrestore
17730 \@LTRmarginparreset
17731 #2%
17732 \@minipagefalse
17733 \outer@nobreak
17734 }%
17735 \color@endbox
17736 }
17737 \def \@LTRmarginparreset {%
17738 \reset@font
17739 \normalsize
17740 \@minipagetrue
17741 \everypar{\@minipagefalse\everypar{}\beginL}%
17742 }
17743 \def\RTLmarginpar{%
17744 \ifhmode
17745 \@bsphack
17746 \@floatpenalty -\@Mii
17747 \else
17748 \@floatpenalty-\@Miii
17749 \fi
17750 \ifinner
17751 \@parmoderr
17752 \@floatpenalty\z@
17753 \else
17754 \@next\@currbox\@freelist{}\}%
17755 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
17756 {\@floatpenalty\z@
17757 \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}}%
17758 \fi
17759 \@ifnextchar [\@RTLxmpar\@RTLympar}
17760 \long\def\@RTLxmpar[#1]#2{%
17761 \@RTLSavemarbox\@marbox{#1}%
17762 \@RTLSavemarbox\@currbox{#2}%
17763 \@xympar}
17764 \long\def\@RTLympar#1{%
17765 \@RTLSavemarbox\@marbox{#1}%
17766 \global\setbox\@currbox\copy\@marbox
17767 \@xympar}
17768 \long\def \@RTLSavemarbox #1#2{%
17769 \global\setbox #1%
17770 \color@vbox
17771 \vtop{%
17772 \hsize\marginparwidth
17773 \@parboxrestore
17774 \@RTLmarginparreset
17775 #2%

```



```

17776         \@minipagefalse
17777         \outer@nobreak
17778     }%
17779     \color@endbox
17780 }
17781 \def \@RTLmarginparreset {%
17782     \reset@font
17783     \normalsize
17784     \@minipagetrue
17785     \everypar{\@minipagefalse\everypar{}\beginR}%
17786 }
17787 \def \@addmarginpar{\@next\@marbox\@currlist{\@cons\@freelist\@marbox
17788     \@cons\@freelist\@currbox}\@latexbug\@tempcnta\@ne
17789     \if@twocolumn
17790         \if@firstcolumn \@tempcnta\m@ne \fi
17791     \else
17792         \if@mparswitch
17793             \ifodd\c@page \else\@tempcnta\m@ne \fi
17794         \fi
17795         \if@reversemargin \@tempcnta -\@tempcnta \fi
17796     \fi
17797     \ifnum\@tempcnta <\z@ \global\setbox\@marbox\box\@currbox \fi
17798     \@tempdima\@mparbottom
17799     \advance\@tempdima -\@pageht
17800     \advance\@tempdima\ht\@marbox
17801     \ifdim\@tempdima >\z@
17802         \@latex@warning@no@line {Marginpar on page \thepage\space moved}%
17803     \else
17804         \@tempdima\z@
17805     \fi
17806     \global\@mparbottom\@pageht
17807     \global\advance\@mparbottom\@tempdima
17808     \global\advance\@mparbottom\dp\@marbox
17809     \global\advance\@mparbottom\marginparpush
17810     \advance\@tempdima -\ht\@marbox
17811     \global\setbox \@marbox
17812         \vbox {\vskip \@tempdima
17813             \box \@marbox}%
17814     \global \ht\@marbox \z@
17815     \global \dp\@marbox \z@
17816     \kern -\@pagedp
17817     \nointerlineskip
17818     \hb@xt@\columnwidth
17819     {\if@RTL\if@LTRmarginpar\beginL\else\beginR\fi\else\if@RTLmarginpar\beginR\else\beginL\fi
17820         \hskip\columnwidth \hskip\marginparsep
17821     \else
17822         \hskip -\marginparsep \hskip -\marginparwidth
17823     \fi
17824     \box\@marbox \hss\if@RTL\if@LTRmarginpar\endL\else\endR\fi\else\if@RTLmarginpar\endR\else
17825     \nointerlineskip

```



```

17826 \hbox{\vrule \@height\z@ \@width\z@ \@depth\@pagedp}}
17827 \long\def\@ympar#1{%
17828 \savemarbox\@marbox{\if@RTL\if@LTRmarginpar\@RTLfalse\else\@RTLtrue\fi\else\if@RTLmarginpar
17829 \global\setbox\@currbox\copy\@marbox
17830 \@ympar}
17831 \def\setRTLmarginpar{\@RTLmarginpartrue\@LTRmarginparfalse}
17832 \def\setLTRmarginpar{\@LTRmarginpartrue\@RTLmarginparfalse}
17833 \def\setdefaultmarginpar{\@RTLmarginparfalse\@LTRmarginparfalse}
17834 \def\@stopline{\unskip\@stopfield\if@rjfield \global\@rjfieldfalse
17835 \@tempdima\@totalleftmargin \advance\@tempdima\linewidth
17836 \hbox to\@tempdima{\if@RTL\beginR\fi\@itemfudge\hskip\dimen\@curtabmar
17837 \box\@curline\hfil\box\@curfield\if@RTL\endR\fi}\else\@addfield
17838 \hbox to\linewidth{\if@RTL\beginR\fi\@itemfudge
17839 \hskip\dimen\@curtabmar\box\@curline\hfil\if@RTL\endR\fi}%
17840 \fi}
17841 \def\@outputpage{%
17842 \begingroup % the \endgroup is put in by \aftergroup
17843 \let \protect \noexpand
17844 \resetactivechars
17845 \global\let\@if@newlist\if@newlist
17846 \global\@newlistfalse
17847 \@parboxrestore
17848 \shipout \vbox{%
17849 \set@typeset@protect
17850 \aftergroup \endgroup
17851 \aftergroup \set@typeset@protect
17852 % correct? or just restore by ending
17853 % the group?
17854 \if@specialpage
17855 \global\@specialpagefalse\@nameuse{ps@\@specialstyle}%
17856 \fi
17857 \if@twoside
17858 \ifodd\count\z@ \let\@thehead\@oddhead \let\@thefoot\@oddfoot
17859 \let\@themargin\oddsidemargin
17860 \else \let\@thehead\@evenhead
17861 \let\@thefoot\@evenfoot \let\@themargin\evensidemargin
17862 \fi
17863 \ifx\@thehead\@empty \let\@thehead\hfil \fi
17864 \ifx\@thefoot\@empty \let\@thefoot\hfil \fi
17865 \else %% not @twoside
17866 \ifx\@oddhead\@empty \let\@thehead\hfil \fi
17867 \ifx\@oddfoot\@empty \let\@thefoot\hfil \fi
17868 \fi
17869 \reset@font
17870 \normalsize
17871 \normalsfcodes
17872 \let\label\@gobble
17873 \let\index\@gobble
17874 \let\glossary\@gobble
17875 \baselineskip\z@skip \lineskip\z@skip \lineskiplimit\z@

```




```

17876 \@beginarvi
17877 \vskip \topmargin
17878 \moveright\@themargin \vbox {%
17879   \setbox\@tempboxa \vbox to\headheight{%
17880     \vfil
17881     \color@hbox
17882     \normalcolor
17883     \hb@xt@\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thehead\if@RTLmain
17884     \color@endbox
17885   }%
17886   \dp\@tempboxa \z@
17887   \box\@tempboxa
17888   \vskip \headsep
17889   \box\@outputbox
17890   \baselineskip \footskip
17891   \color@hbox
17892   \normalcolor
17893   \hb@xt@\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thefoot\if@RTLmain
17894   \color@endbox
17895 }%
17896 }%
17897 \global\let\if@newlist\@if@newlist
17898 \global \@colht \textheight
17899 \stepcounter{page}%
17900 \let\firstmark\botmark
17901 }
17902 \long\def\@makecaption#1#2{%
17903   \vskip\abovecaptionskip
17904   \sbox\@tempboxa{#1: #2}%
17905   \ifdim \wd\@tempboxa >\hsize
17906     \if@RTL\beginR\fi#1: #2\if@RTL\endR\fi\par
17907   \else
17908     \global \@minipagefalse
17909     \hb@xt@\hsize{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}%
17910     \fi
17911     \vskip\belowcaptionskip}
17912 \let\@bidi@saved@eqno=\eqno
17913 \let\@bidi@saved@leqno=\leqno
17914 \def\eqno{\ifnum\predisplaydirection<\z@ \@bidi@saved@leqno \else \@bidi@saved@eqno \fi}
17915 \def\leqno{\ifnum\predisplaydirection<\z@ \@bidi@saved@eqno \else \@bidi@saved@leqno \fi}
17916 \ifpackageloaded{amsmath}{%
17917 \def\@eqnnum{\normalfont \normalcolor \if@RTL\beginR\fi(\theequation)\if@RTL\endR\fi}}
17918 }
17919 \input{footnote-xetex-bidi.def}
17920 \if@twocolumn
17921   \let\autofooterule\relax
17922   \let\leftfootnoterule\relax
17923   \let\rightfootnoterule\relax
17924   \textwidthfootnoterule
17925 \fi

```



```

17926 \if@bidi@csundef{@idxitem}{}%
17927 \renewcommand\@idxitem{\par\hangindent \if@RTL-\fi40\p}%
17928 }
17929 \@ifclassloaded{article}{\@ifclassloaded{svmult}}{\input{article-xetex-bidi.def}}{}
17930 \@ifclassloaded{extarticle}{\input{extarticle-xetex-bidi.def}}{}
17931 \@ifclassloaded{artikel1}{\input{artikel1-xetex-bidi.def}}{}
17932 \@ifclassloaded{artikel2}{\input{artikel2-xetex-bidi.def}}{}
17933 \@ifclassloaded{artikel3}{\input{artikel3-xetex-bidi.def}}{}
17934 \@ifclassloaded{amsart}{\input{amsart-xetex-bidi.def}}{}
17935 \@ifclassloaded{letter}{\input{letter-xetex-bidi.def}}{}
17936 \@ifclassloaded{scrlettr}{\input{scrlettr-xetex-bidi.def}}{}
17937 \@ifclassloaded{extletter}{\input{extletter-xetex-bidi.def}}{}
17938 \@ifclassloaded{memoir}{\input{memoir-xetex-bidi.def}}{}
17939 \@ifclassloaded{refrep}{\input{refrep-xetex-bidi.def}}{}
17940 \@ifclassloaded{extreport}{\input{extreport-xetex-bidi.def}}{}
17941 \@ifclassloaded{report}{\@ifpackageloaded{flowfram}}{\input{report-xetex-bidi.def}}{}
17942 \@ifclassloaded{rapport1}{\input{rapport1-xetex-bidi.def}}{}
17943 \@ifclassloaded{rapport3}{\input{rapport3-xetex-bidi.def}}{}
17944 \@ifclassloaded{scrartcl}{\input{scrartcl-xetex-bidi.def}}{}
17945 \@ifclassloaded{scrbook}{\input{scrbook-xetex-bidi.def}}{}
17946 \@ifclassloaded{scrreprt}{\input{scrreprt-xetex-bidi.def}}{}
17947 \@ifclassloaded{amsbook}{\input{amsbook-xetex-bidi.def}}{}
17948 \@ifclassloaded{extbook}{\input{extbook-xetex-bidi.def}}{}
17949 \@ifclassloaded{boek}{\input{boek-xetex-bidi.def}}{}
17950 \@ifclassloaded{boek3}{\input{boek3-xetex-bidi.def}}{}
17951 \@ifclassloaded{book}{\@ifpackageloaded{flowfram}}{\input{book-xetex-bidi.def}}{}
17952 \@ifclassloaded{bookest}{\input{bookest-xetex-bidi.def}}{}
17953 \@ifclassloaded{combine}{\input{combine-xetex-bidi.def}}{}
17954 \@ifpackageloaded{amsmath}{}%
17955 \@iftagsloaded{leqno}{\input{leqno-xetex-bidi.def}}{}
17956 \@iftagsloaded{fleqn}{\input{fleqn-xetex-bidi.def}}{}
17957 }
17958 \@ifpackageloaded{mathtools}{\RequirePackage{graphicx}}{}
17959 \@ifpackageloaded{crop}{\RequirePackage{graphicx}}{}
17960 \@ifpackageloaded{sidecap}{\RequirePackage{ragged2e}}{}
17961 \@ifpackageloaded{floatrow}{\RequirePackage{color}}{}
17962 \@ifpackageloaded{algorithm2e}{\input{algorithm2e-xetex-bidi.def}}{}
17963 \@ifpackagewith{algorithm2e}{algonl}{%
17964 \renewcommand\theAlgoLine{\expandafter\csname the\algocf@float\endcsname\@SepMark\arabic{AlgoLine}}
17965 }{}
17966 \@ifpackagewith{algorithm2e}{algotpart}{\renewcommand{\algocf@within}{part}}{}
17967 \@ifpackagewith{algorithm2e}{algotchapter}{\renewcommand{\algocf@within}{chapter}}{}
17968 \@ifpackagewith{algorithm2e}{algotsection}{\renewcommand{\algocf@within}{section}}{}
17969 \@ifpackageloaded{amsmath}{\input{amsmath-xetex-bidi.def}}{}
17970 \@ifpackageloaded{amstext}{\input{amstext-xetex-bidi.def}}{}
17971 \@ifpackageloaded{amsthm}{\input{amsthm-xetex-bidi.def}}{}
17972 \@ifpackageloaded{breqn}{\input{breqn-xetex-bidi.def}}{}
17973 \@ifpackageloaded{cals}{\input{cals-xetex-bidi.def}}{}
17974 \@ifpackageloaded{caption}{\input{caption-xetex-bidi.def}}{}
17975 \@ifpackageloaded{caption3}{\input{caption3-xetex-bidi.def}}{}

```



```

17976 \@ifpackageloaded{floatrow}{\input{floatrow-xetex-bidi.def}}{}
17977 \@ifpackageloaded{crop}{\@ifclassloaded{memoir}{\input{crop-xetex-bidi.def}}{}}{}
17978 \@ifpackageloaded{color}{\input{color-xetex-bidi.def}}{}
17979 \@ifpackageloaded{cutwin}{\input{cutwin-xetex-bidi.def}}{}
17980 \@ifpackageloaded{cuted}{\input{cuted-xetex-bidi.def}}{}
17981 \@ifpackageloaded{xcolor}{\input{xcolor-xetex-bidi.def}}{}
17982 \@ifpackageloaded{colortbl}{\input{colortbl-xetex-bidi.def}}{}
17983 \@ifpackageloaded{float}{\@ifpackageloaded{floatrow}{\input{float-xetex-bidi.def}}{}}{}
17984 \@ifpackageloaded{flowfram}{\input{flowfram-xetex-bidi.def}}{}
17985 \@ifpackageloaded{xltextra}{\input{xltextra-xetex-bidi.def}}{}
17986 \@ifpackageloaded{wrapfig}{\input{wrapfig-xetex-bidi.def}}{}
17987 \@ifpackageloaded{graphicx}{\input{graphicx-xetex-bidi.def}}{}
17988 \@ifpackageloaded{geometry}{\input{geometry-xetex-bidi.def}}{}
17989 \@ifpackageloaded{hvfloa}{\input{hvfloa-xetex-bidi.def}}{}
17990 \@ifpackageloaded{ntheorem}{\input{ntheorem-xetex-bidi.def}}{}
17991 \@ifpackageloaded{tabularx}{\input{tabularx-xetex-bidi.def}}{}
17992 \@ifpackageloaded{longtable}{\input{longtable-xetex-bidi.def}}{}
17993 \@ifpackageloaded{hyperref}{\input{hyperref-xetex-bidi.def}}{}
17994 \@ifpackageloaded{ntheorem-hyper}{\input{ntheorem-hyper-xetex-bidi.def}}{}
17995 \@ifpackageloaded{fancybox}{\input{fancybox-xetex-bidi.def}}{}
17996 \@ifpackageloaded{fancyhdr}{\input{fancyhdr-xetex-bidi.def}}{}
17997 \@ifpackageloaded{fix2col}{\input{fix2col-xetex-bidi.def}}{}
17998 \@ifpackageloaded{ftnright}{\input{ftnright-xetex-bidi.def}}{}
17999 \@ifpackageloaded{midfloat}{\input{midfloat-xetex-bidi.def}}{}
18000 \@ifpackageloaded{draftwatermark}{\input{draftwatermark-xetex-bidi.def}}{}
18001 \@ifpackageloaded{dblfnote}{\input{dblfnote-xetex-bidi.def}}{}
18002 \@ifpackageloaded{eso-pic}{\input{eso-pic-xetex-bidi.def}}{}
18003 \@ifpackageloaded{empheq}{\input{empheq-xetex-bidi.def}}{}
18004 \@ifpackageloaded{framed}{\input{framed-xetex-bidi.def}}{}
18005 \@ifpackageloaded{pdfpages}{\input{pdfpages-xetex-bidi.def}}{}
18006 \@ifpackageloaded{lettrine}{\input{lettrine-xetex-bidi.def}}{}
18007 \@ifpackageloaded{listings}{\input{listings-xetex-bidi.def}}{}
18008 \@iftexfileloaded{pstricks}{\input{pstricks-xetex-bidi.def}}{}
18009 \@iftexfileloaded{pgfcorescopes.code}{\input{pgfcorescopes.code-xetex-bidi.def}}{}
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18011 \@ifpackageloaded{titletoc}{\input{titletoc-xetex-bidi.def}}{}
18012 \@ifpackageloaded{array}{\input{array-xetex-bidi.def}}{}
18013 \@ifpackageloaded{sidecap}{\input{sidecap-xetex-bidi.def}}{}
18014 \@ifpackagewith{sidecap}{innercaption}{%
18015 \if@RTL \renewcommand*{\SC@FLOAT}[2]{%
18016 \isSC@ODD{#2}\hspace{\sidecaptionsep}{#1}} {{#1}\hspace{\sidecaptionsep}{#2}}
18017 \renewcommand*{\SC@justify@caption}{%
18018 \isSC@ODD{\RaggedRight}{\RaggedLeft}}\else
18019 \renewcommand*{\SC@FLOAT}[2]{%
18020 \isSC@ODD{#1}\hspace{\sidecaptionsep}{#2}} {{#2}\hspace{\sidecaptionsep}{#1}}
18021 \renewcommand*{\SC@justify@caption}{%
18022 \isSC@ODD{\RaggedLeft}{\RaggedRight}}\fi
18023 }{}
18024 \@ifpackagewith{sidecap}{rightcaption}{%
18025 \if@RTL\renewcommand*{\SC@FLOAT}[2]{#1}\hspace{\sidecaptionsep}{#2}}

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18026 \def\SC@justify@caption{\RaggedLeft}\else%
18027 \renewcommand*{\SC@FLOAT}[2]{\#2}\hspace{\sidecaptionsep}{\#1}}
18028 \def\SC@justify@caption{\RaggedRight}\fi%
18029 }{}
18030 \@ifpackagewith{sidecap}{leftcaption}{%
18031 \ifRTL \renewcommand*{\SC@FLOAT}[2]{\#2}\hspace{\sidecaptionsep}{\#1}}
18032 \def\SC@justify@caption{\RaggedRight}\else%
18033 \renewcommand*{\SC@FLOAT}[2]{\#1}\hspace{\sidecaptionsep}{\#2}}
18034 \def\SC@justify@caption{\RaggedLeft}\fi%
18035 }{}
18036 \@ifpackageloaded{soul}{\input{soul-xetex-bidi.def}}{}
18037 \@ifpackageloaded{stabular}{\input{stabular-xetex-bidi.def}}{}
18038 \@ifpackageloaded{subfigure}{\input{subfigure-xetex-bidi.def}}{}
18039 \@ifpackageloaded{arydshln}{\input{arydshln-xetex-bidi.def}}{}
18040 \@ifpackageloaded{mdframed}{\input{mdframed-xetex-bidi.def}}{}
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18043 \@ifpackageloaded{multienum}{\input{multienum-xetex-bidi.def}}{}
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18045 \@ifpackageloaded{newfloat}{\input{newfloat-xetex-bidi.def}}{}
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18051 \@ifpackageloaded{tabls}{\input{tabls-xetex-bidi.def}}{}
18052 \@ifpackageloaded{tabulary}{\input{tabulary-xetex-bidi.def}}{}
18053 \@ifpackageloaded{tocstyle}{\input{tocstyle-xetex-bidi.def}}{}
18054 \@ifpackageloaded{tocbibind}{\@ifclassloaded{memoir}{\input{tocbibind-xetex-bidi.def}}{}}
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18057 \@ifpackageloaded{todonotes}{\input{todonotes-xetex-bidi.def}}{}

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7.119 xltextra-xetex-bidi.def

```

18058 \ProvidesFile{xltextra-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for xltextra package for X
18059 \let\@XeTeX\XeTeX
18060 \def\XeTeX{\@ensure@LTR{\@XeTeX}}
18061 \let\@XeLaTeX\XeLaTeX
18062 \def\XeLaTeX{\@ensure@LTR{\@XeLaTeX}}

```

8 Index

Numbers written in *italic* refer to the page where the corresponding entry is described; numbers underlined refer to the code line of the definition; numbers in roman refer to the code lines where the entry is used.

Symbols	2846, 2854, 11441	\% 10383
\# 2691, 2737,	\\$ 11440	\' 10503,



12059, 13250, 13264	\@@date 5029, 5032, 5035	17277, 17279,
\, 4415, 10580,	\@@end 2935, 2936	17280, 17298, 17299
13828, 13871,	\@@endpbox ... 11993,	\@@underline
17028, 17039, 17415	16118, 16157, 17608	17579, 17581, 17583
\- 10502,	\@@if@newlist . 9939,	\@DEBUGfalse 2116
12058, 13249, 13263	9959, 17845, 17897	\@False 6126, 6128
\. 89, 298, 580,	\@@input 2995, 3012	\@LTRbibitemfalse
711, 973, 1222,	\@@italiccorr . 338, 6147	..... 17429, 17431
5605, 5792, 6103,	\@@line 7955,	\@LTRbibitemstrue 17430
7441, 7714, 9629,	7959, 14214,	\@LTRbidityftesidenote@sidenote
12721, 13397,	14223, 14261,	.. 4528, 4587, 4591
13790, 13986,	14272, 17558,	\@LTRbidityftesidenotemarginparreset
14188, 14657,	17559, 17561,	..... 4166, 4173
15224, 15856, 16388	17562, 17564, 17565	\@LTRbidityftesidenotesavemabox
\/ 1766	\@@makecaption ....	..... 4153,
\; 180, 199	.. 14699, 14778,	4154, 4157, 4160
\< 16041	14800, 15266,	\@LTRbidityftesidenotexmpar
\= 10503,	15345, 15367,	..... 4151, 4152
12059, 13250, 13264	15898, 15977, 15999	\@LTRbidityftesidenoteympar
\> 16042	\@@makefnmark . 14360,	..... 4151, 4156
\@ 2761	14362, 14871,	\@LTRfootnotetext 62,
\@@ 16222, 16224	14873, 15417,	78, 151, 152,
\@@@bidi@AfterClass	15418, 15546, 15548	153, 270, 287,
..... 3097, 3102	\@@math 6138	1902, 2025, 4459,
\@@@bidi@AfterPackage	\@@mix 17222, 17265	4540, 4547, 5263,
..... 3142, 3146	\@@mod .. 17223, 17227,	5274, 5487, 5501,
\@@LTR 13115,	17228, 17231,	7033, 7034, 7793,
13117, 17373, 17375	17232, 17233,	7849, 7856, 7970,
\@@LaTeX ... 17378, 17379	17236, 17266,	8117, 8257, 8404,
\@@LaTeXe .. 17380, 17381	17270, 17271,	8551, 8698, 8845,
\@@RTL 13114,	17274, 17275,	8992, 9139, 9328,
13117, 17372, 17375	17276, 17279, 17298	10179, 10185,
\@@TeX 13118,	\@@par .. 12057, 13248,	10223, 10248,
13119, 17376, 17377	13262, 13823,	10303, 10328,
\@@XeLaTeX . 18061, 18062	13866, 14343,	10334, 11050,
\@@XeTeX .. 18059, 18060	14350, 14854,	11078, 11157,
\@@author 5028, 5031, 5034	14861, 15403,	11193, 11387,
\@@bidi@AfterClass	15408, 15529,	11391, 11411,
..... 3096, 3113	15536, 16314,	11412, 12032,
\@@bidi@AfterPackage	16316, 17485, 17614	12115, 12613,
..... 3141, 3156	\@@protect 2622	12614, 12615,
\@@bidi@PreventPackageFromLoading	\@@startpbox .. 11992,	14325, 14331,
... 3187, 3189, 3191	16118, 16157, 17608	14705, 14706,
\@@clr .. 17223, 17228,	\@@title 5027, 5030, 5033	14716, 14836,
17231, 17233,	\@@tmp 17227,	14842, 15272,
17234, 17236,	17228, 17233,	15273, 15283,
17266, 17271,	17234, 17236,	15511, 15517,
17274, 17276,	17237, 17270,	15904, 15905,
17277, 17279, 17298	17271, 17276,	15915, 16188, 16205
\@@cls 17218, 17261		



\@LTRmarginparfalse	6747, 17702, 17746	9303, 9314, 9619,
..... 17831, 17833	\@Miii 1980, 4096, 4140,	10193, 10224,
\@LTRmarginparreset	4184, 17704, 17748	10265, 10278,
..... 17730, 17737	\@RTL@footnotefalse	11643, 11665,
\@LTRmarginpartrue 17832	... 1589, 10022,	11669, 11676,
\@LTRsavemarbox 17717,	10189, 13098,	12048, 12272,
17718, 17721, 17724	13103, 17356, 17361	12713, 12816,
\@LTRxmpar . 17715, 17716	\@RTL@footnotetrue	12864, 13062,
\@LTRympar . 17715, 17720	... 1587, 10022,	13094, 13098,
\@M 6, 88,	10188, 13100,	13103, 13139,
101, 207, 231, 297,	13102, 17358, 17360	13387, 13780,
553, 616, 617, 641,	\@RTLbibitemsfalse	13973, 14175,
744, 867, 922,	..... 17430, 17431	14636, 15203,
923, 995, 1115,	\@RTLbibitemstrue 17429	15835, 16375,
1116, 1122, 1244,	\@RTLbidityftesidenotesidenote	17320, 17352,
1829, 1834, 4759,	.. 4557, 4588, 4592	17356, 17361,
5527, 5528, 5534,	\@RTLbidityftesidenotemarginparreset,	17530,
5647, 5703, 5704,	..... 4210, 4217	17828, 17883, 17893
5710, 5823, 5873,	\@RTLbidityftesidenotesavesidenote	47,
6068, 6076, 6142,	..... 4197,	77, 155, 156,
7409, 7422, 7678,	4198, 4201, 4204	157, 256, 286,
7687, 7955, 7959,	\@RTLbidityftesidenotexmpar	1903, 2026, 4476,
9596, 9604, 9912,	..... 4195, 4196	4569, 4576, 5264,
12482, 12494,	\@RTLbidityftesidenoteympar	5275, 5488, 5502,
12506, 13188,	..... 4195, 4200	7054, 7055, 7777,
13296, 13297,	\@RTLcolumnfootnotesfalse	7850, 7857, 7971,
13321, 13430,	..... 7863	8118, 8258, 8405,
13569, 13692,	\@RTLcolumnfootnotestrue	8552, 8699, 8846,
13745, 13746,	..... 7862	8993, 9140, 9329,
13806, 13807,	\@RTLfalse 36,	10170, 10176,
14160, 14168,	64, 84, 245,	10208, 10247,
14595, 15128,	272, 293, 567,	10304, 10343,
15776, 16213,	701, 963, 1212,	10349, 11049,
16300, 16341,	1565, 1571, 2342,	11067, 11142,
16474, 16505,	5595, 5782, 6090,	11194, 11386,
16528, 16545,	6108, 6120, 6133,	11390, 11408,
16562, 16579,	7431, 7701, 7763,	11409, 12033,
16596, 16613,	7795, 7810, 7823,	12116, 12617,
16631, 16650,	7981, 7991, 8026,	12618, 12619,
16670, 16705,	8038, 8128, 8137,	14326, 14335,
16844, 16958, 17639	8170, 8181, 8268,	14707, 14708,
\@MM . . 40, 53, 68, 249,	8278, 8313, 8325,	14718, 14837,
262, 276, 7031,	8415, 8425, 8460,	14846, 15274,
7052, 7099, 7106,	8472, 8562, 8572,	15275, 15285,
7151, 7158, 7909,	8606, 8618, 8709,	15512, 15521,
10197, 10213, 10228	8719, 8753, 8765,	15906, 15907,
\@Mi 2087, 6138	8856, 8866, 8901,	15917, 16189, 16206
\@Mii 1978, 4094, 4138,	8913, 9003, 9013,	\@RTLmainfalse 1544,
4182, 6564, 6573,	9048, 9060, 9150,	1548, 1646, 1650
6583, 6728, 6737,	9160, 9195, 9207,	\@RTLmaintrue 1547, 1649



\@RTLmarginparfalse	17358, 17360,	13772, 13774,
..... 17832, 17833	17521, 17539,	13776, 13960,
\@RTLmarginparreset	17828, 17883, 17893	13962, 13964,
..... 17774, 17781	\@RTLxmpar . 17759, 17760	13965, 13966,
\@RTLmarginpartrue 17831	\@RTLympar . 17759, 17764	13967, 13968,
\@RTLsaveinbox 17761,	\@SepMark 19,	13969, 14141,
17762, 17765, 17768	20, 21, 22, 164,	14143, 14145,
\@RTLtabfalse	220, 221, 222,	14147, 14148,
. 377, 404, 1359,	223, 336, 345,	14149, 14150,
1918, 2085, 6187,	541, 542, 543,	14151, 14610,
16106, 16132,	544, 694, 695,	14611, 14613,
17402, 17412,	696, 697, 947,	14615, 14617,
17587, 17595, 17619	948, 949, 950,	15145, 15148,
\@RTLtabtrue	1205, 1206, 1207,	15150, 15154,
372, 1899, 2046,	1208, 5620, 5621,	15156, 15158,
6164, 16099,	5622, 5623, 5624,	15160, 15164,
17397, 17404, 17588	5626, 5628, 5630,	15166, 15172,
\@RTLtrue ... 36, 49,	5796, 5797, 5798,	15174, 15180,
84, 245, 258, 293,	5799, 5800, 5802,	15182, 15793,
567, 701, 963,	5804, 5806, 6047,	15795, 15798,
1212, 1563, 1569,	6049, 6051, 6053,	15800, 15802,
2342, 5595, 5782,	6054, 6055, 6056,	15804, 15807,
6090, 6147, 6149,	6057, 7541, 7542,	15811, 15815,
7431, 7701, 7763,	7543, 7544, 7657,	16448, 16692,
7779, 7810, 7836,	7659, 7661, 7663,	17426, 17428, 17964
7981, 8001, 8026,	7664, 7665, 7666,	\@True .. 6121, 6127, 6159
8051, 8128, 8146,	7667, 9721, 9722,	\@Undottedtocline 12489
8170, 8193, 8268,	9723, 9724, 9725,	\@Undottedtoclinep 12501
8288, 8313, 8338,	9727, 9729, 9731,	\@acci 10503,
8415, 8435, 8460,	9879, 9885, 9992,	12059, 13250, 13264
8485, 8562, 8582,	9994, 9996, 9998,	\@accii 10503,
8606, 8631, 8709,	9999, 10000,	12059, 13250, 13264
8729, 8753, 8778,	10001, 10002,	\@acciii 10503,
8856, 8876, 8901,	10005, 10007,	12059, 13250, 13264
8926, 9003, 9023,	10009, 10011,	\@acol ... 1428, 1436,
9048, 9073, 9150,	10012, 10013,	1911, 11989, 16101,
9170, 9195, 9220,	10014, 10015,	17406, 17590, 17617
9303, 9314, 9619,	11691, 12159,	\@acolampacol . 1426,
10193, 10209,	12161, 12163,	1428, 1434, 1436
10252, 10278,	12165, 12167,	\@addamp 1427, 1435
11643, 11665,	12168, 12170,	\@addfield 17837
11676, 12051,	12171, 12172,	\@addmarginpar ... 17787
12272, 12713,	12755, 12763,	\@address 2234, 6888,
13063, 13086,	12765, 13401,	6889, 6986, 6988
13100, 13102,	13402, 13403,	\@addresscolour 2203,
13387, 13780,	13404, 13405,	2220, 6887, 6985
13973, 14175,	13407, 13409,	\@addtofilelist ...
14636, 15203,	13411, 13766,	..... 2995, 3011
15835, 16375,	13767, 13768,	\@addtopreamble ...
17321, 17344,	13769, 13770,	.. 1399, 1462, 6212



\@addtoreset	6054, 6055, 6056,	15168, 15176,
. . . . 334, 9882,	6057, 6091, 6098,	15184, 15205,
12753, 12759, 12761	7432, 7439, 7541,	15221, 15796,
\@addviper 6511	7542, 7543, 7544,	15798, 15800,
\@afterheading	7657, 7659, 7661,	15802, 15804,
563, 1812, 1822,	7662, 7663, 7664,	15808, 15812,
7419, 7427, 12071	7665, 7666, 7667,	15816, 15837,
\@afterindentfalse	7702, 7709, 9620,	15853, 16376, 16383
. . 1812, 1822, 12070	9627, 9721, 9722,	\@argdef 2582
\@afterindenttrue .	9723, 9724, 9725,	\@array 379, 400, 1361,
. 641,	9727, 9729, 9731,	1362, 16140, 17597
867, 1122, 4758,	9992, 9994, 9996,	\@arrayacol 17617
5534, 5710, 12481,	9997, 9998, 9999,	\@arrayclassiv . . . 17618
12493, 12505,	10000, 10001,	\@arrayclassz
13321, 13692,	10002, 10005,	. 1426, 16144, 17617
16473, 16504,	10007, 10009,	\@arraycr 399, 11998, 17619
16527, 16544,	10010, 10011,	\@arrayleft 392
16561, 16578,	10012, 10013,	\@arrayparboxrestore
16595, 16612,	10014, 10015,	12035, 13245, 13259
16630, 16649,	11691, 11693,	\@arrayright 401
16669, 16704,	12159, 12161,	\@arrayrule 1381, 1382,
16837, 16957, 17638	12163, 12165,	1383, 1419, 1420, 1421
\@algocf@finish . . . 186	12167, 12170,	\@arstdepth
\@algocf@post@boxed 168	12171, 12172,	. 16137, 16142, 16160
\@algocf@post@boxruled	13388, 13395,	\@arstheight 16142, 16160
. 170	13401, 13402,	\@arstrut 389,
\@algocf@pre@boxed 167	13403, 13404,	12012, 16117, 17607
\@algocf@pre@boxruled	13405, 13407,	\@arstrutbox . . . 382,
. 169	13409, 13411,	12000, 12036,
\@algocf@start 171	13766, 13767,	16110, 16152,
\@algoinsideskip 183, 187	13768, 13769,	16156, 16160, 17600
\@algoskip 172, 195	13770, 13772,	\@author 423,
\@ampacol . . . 1426, 1434	13774, 13776,	437, 473, 494,
\@arabic 164, 541, 542,	13781, 13788,	755, 757, 775,
543, 544, 568,	13960, 13962,	820, 839, 1006,
575, 694, 695,	13964, 13965,	1008, 1026, 1071,
696, 697, 702,	13966, 13967,	1090, 1255, 1257,
709, 947, 948,	13968, 13969,	1275, 1320, 1340,
949, 950, 964,	13974, 13981,	1351, 1711, 4960,
971, 1205, 1206,	14141, 14143,	4962, 5031, 5658,
1207, 1208, 1213,	14145, 14146,	5660, 5678, 5834,
1220, 2353, 5596,	14147, 14148,	5836, 5854, 5929,
5603, 5620, 5621,	14149, 14150,	5943, 5979, 6000,
5622, 5623, 5624,	14151, 14176,	7468, 7480, 7514,
5626, 5628, 5630,	14183, 14611,	7533, 7563, 7577,
5783, 5790, 5796,	14613, 14615,	7613, 7634, 9648,
5797, 5798, 5799,	14617, 14638,	9660, 9694, 9713,
5800, 5802, 5804,	14654, 15152,	12128, 13441,
5806, 6047, 6049,	15154, 15156,	13443, 13461,
6051, 6052, 6053,	15158, 15160,	13506, 13525,



13580, 13582,	\@bidi@emptytoks ..	4522, 4551, 4580,
13602, 13649,	.. 2377, 2382, 2406	4602, 4611, 4620
13671, 13682,	\@bidi@envbody 2376,	\@biditytfloat@RTLsidenote@normal@cite
13837, 13851,	2378, 2380, 2381,	... 4345, 4406,
13892, 13913,	2382, 2402,	4523, 4552, 4581,
14023, 14037,	2404, 2405, 2406	4603, 4612, 4621
14073, 14094,	\@bidi@info 1497, 1520,	\@biditytfloat@caption
14417, 14480,	1522, 1614, 1637, 1639	..... 3705, 3738
14531, 14928,	\@bidi@list@minipage@parbox@not@true	\@biditytfloat@caption@box
14991, 15042,	..... 10292, 17482	..... 3697,
15603, 15666, 15717	\@bidi@list@minipage@parbox@true	3756, 3767, 3768,
\@auxout 2069, 5434	..... 10293, 17483	3791, 4026, 4031
\@badmath ... 9844, 9858	\@bidi@lst@makecaption	\@biditytfloat@caption@fill
\@begin@tempboxa ..	... 11641, 11656,	..... 3646,
10676, 10683, 17485	11657, 11683, 11685	3655, 3656, 4031
\@begin@dv . 9910, 17876	\@bidi@mdf@RTLtrue 12047	\@biditytfloat@caption@font
\@begin@parpenalty .	\@bidi@removefromreset	..... 3611,
..... 1825,	.. 2471, 2472, 2474	3612, 3666, 3857,
1834, 9847, 9861	\@bidi@replacefilewithext	4028, 4034, 4047
\@bib@break .....	.. 3059, 3063, 3066	\@biditytfloat@caption@justification
14631, 15198, 15830	\@bidi@saveprimitive	.. 3544, 3669, 3857
\@biblabel 85,	..... 2364	\@biditytfloat@caption@vertical@offset
294, 568, 569,	\@bidi@tabular@RTLcases	3700, 3701, 3709,
702, 703, 964,	17395, 17397, 17404	3767, 3768, 3795
965, 1213, 1214,	\@bidi@todonotes@align	\@biditytfloat@checkoddpages
5596, 5597, 5783,	..... 17004,	..... 3628, 3725
5784, 6091, 6092,	17005, 17037,	\@biditytfloat@figure@box
7432, 7433, 7702,	17078, 17081,	... 3696, 3749,
7703, 9620, 9621,	17084, 17087,	3767, 3768, 3790
12714, 13388,	17112, 17117, 17118	\@biditytfloat@float@contents@width
13389, 13781,	\@bidi@todonotes@figposition@right@false	..... 3717,
13782, 13974,	..... 17019	3747, 3748, 3750
13975, 14176,	\@bidi@todonotes@figposition@right@true	\@biditytfloat@float@debug
14177, 14638,	..... 17017	..... 3686,
14640, 15205,	\@bidi@todonotes@textdirection	3692, 3694,
15207, 15837,	.. 17006, 17010,	3695, 3727, 3728,
15839, 16376, 16377	17013, 17117, 17118	3729, 3730, 3733, 3734,
\@bibsetup 12714	\@bidi@todonotes@textdirection@RTL@false	3805, 3812, 3819,
\@bibtitlestyle . 81, 290	..... 17012	3820, 3823, 3824
\@bidi@AfterClass .	\@bidi@todonotes@textdirection@RTL@true	\@biditytfloat@float@debug@info
..... 3097,	..... 17009	..... 3685,
3118, 3123, 3130	\@bidi@unreplacefilewithext	3687, 3688,
\@bidi@AfterPackage	.. 3068, 3074, 3077	3689, 3780, 3787
..... 3142,	\@bidi@declaredcolor	\@biditytfloat@float@fullwidth
3161, 3165, 3172	..... 6264,	..... 3767, 3815
\@bidi@PreventPackageFromLoading	6271, 17258, 17287	\@biditytfloat@float@textwidth
.. 3182, 3183, 3185	\@biditytfloat@RTLsidenote@cite@normal@true	..... 3768, 3797
\@bidi@UnPreventPackageFromLoading	.. 4227, 4231, 4332	\@biditytfloat@float@offs
.. 3274, 3275, 3278	\@biditytfloat@RTLsidenote@normal@false	..... 3715, 3730
	.. 4326, 4405,	



\@bidituftfloat@fullwidth	\@bidituftesidenote@check@font	\@bidituftesidenote@sidenote@vertical@offset
... 3645, 3651,	... 4425, 4433	... 4496, 4497,
3652, 3653, 3747	\@bidituftesidenote@citation@font	4503, 4505, 4511,
\@bidituftfloat@justification	... 4226, 4230,	4518, 4532, 4534,
... 3613	4313, 4351, 4379	4540, 4547, 4561,
\@bidituftfloat@justification@font	\@bidituftesidenote@citation@justification	4561, 4569, 4576
... 3544, 3683	... 4234, 4380	\@bidituftesidenote@trim@b
\@bidituftfloat@label	\@bidituftesidenote@citations	... 4277, 4284
... 3712, 3739	... 4366,	\@bidituftesidenote@trim@c
\@bidituftfloat@margin@floatbox	4368, 4369, 4371,	.. 4281, 4284, 4289
.. 3661, 3664, 3675	4376, 4385, 4501,	\@bidituftesidenote@trim@spaces
\@bidituftfloat@margin@par	4530, 4559,	... 4266,
... 3583, 3670	4598, 4607, 4616	4269, 4318, 4320,
\@bidituftfloat@margin@font	\@bidituftesidenote@info@note@cite	4337, 4339, 4356,
... 3610, 3611	... 4399,	4358, 4388, 4390
\@bidituftfloat@orig@caption	4500, 4529, 4558,	\@bidituftesidenote@margin@par@reset
.. 3736, 3758, 3788	4597, 4606, 4615	... 4122, 4129
\@bidituftfloat@orig@endfloat	\@bidituftesidenote@justification@save@margin@box	... 4109, 4110, 4113, 4116
.. 3699, 3771, 4022	... 4232,	\@bidituftesidenote@xmpar
\@bidituftfloat@orig@float	4233, 4234, 4235	... 4107, 4108
.. 3698, 3745, 4021	\@bidituftesidenote@margin@par	\@bidituftesidenote@ympar
\@bidituftfloat@orig@label	... 4236, 4381,	... 4107, 4112
... 3737,	4447, 4464, 4481,	\@bidituftetoc@lof@line
3743, 3759, 3789	4599, 4608, 4617	... 4751, 4767
\@bidituftfloat@overhang	\@bidituftesidenote@margin@font	\@bidituftetoc@pkgname
... 3644,	... 4223, 4224,	... 4627, 4628
3648, 3649, 3841,	4225, 4226, 4227	\@bidituftesidenote@margin@font@declaredcolor
3842, 3881, 3882	... 4225, 4229,	... 6264, 6265,
\@bidituftfloat@pkgname	4599, 4608, 4617	17258, 17259, 17298
.. 3518, 3519, 3521	\@bidituftesidenote@margin@font@justification	12151
\@bidituftfloat@stored@caption	... 4233,	\@bsmarkseries ... 12132
... 3703,	4599, 4608, 4617	\@bsmttitleempty ... 12120
3710, 3758, 3793	\@bidituftesidenote@normal@font	\@bsphack ...
\@bidituftfloat@stored@label	... 4307, 4404,	1977, 4093, 4137,
3704, 3713, 3759,	4521, 4550, 4579,	4181, 17701, 17745
3775, 3777, 3794	4601, 4610, 4619	\@bsthanksheadpost 12134
\@bidituftfloat@stored@shortcaption	\@bidituftesidenote@print@font	\@bsthanksheadpre 12134
... 3702, 3707,	... 4373,	\@caption ...
3708, 3758, 3792	4520, 4549, 4578,	.. 3848, 12254, 12257
\@bidituftgeneralstructure@reset@par	4607, 4609, 4618	\@captionabovefalse
... 4804, 4810	\@bidituftesidenote@sidenote	14818, 15385, 16017
\@bidituftheading@newlinetospace	4499, 4586, 4590	\@captionabovetrue
... 3863, 3872	\@bidituftesidenote@sidenote@citations	14818, 15383, 16015
\@bidituftheading@newlinetospace@i	... 4398	\@capttype ... 1916,
... 3864, 3866	\@bidituftesidenote@sidenote@font	1965, 2013, 3667,
\@bidituftheading@orig@cr	... 4224,	12247, 12251,
... 3871, 3875	4228, 4411, 4412, 4415	12254, 14198, 14241
\@bidituftesidenote@add@citation	\@bidituftesidenote@sidenote@citations	2096,
... 4367, 4400	... 4232, 4411, 4412	2108, 7066, 7123,



9528, 9529, 9546	17408, 17592, 17618	\@colouredtrue ...
\@centercr 4832, 13196,	\@classx 1396, 1455, 6208	..... 6809, 6907
13209, 13222,	\@classz 1396,	\@colourtrue 2145
16293, 16322, 17548	1455, 1489, 1490,	\@colroom 2102,
\@cftasnum ... 16478,	1912, 6208, 11990,	2111, 6577, 6600,
16509, 16532,	16102, 16144,	6603, 6605, 6606,
16549, 16566,	17407, 17591, 17617	6765, 6768, 6770,
16583, 16600,	\@cleartopmattertags 125	6771, 7066, 7123
16617, 16635,	\@cliptoboxdim ... 16271	\@combinedblfloats
16654, 16674, 16709	\@clsextension 3066,	..... 6453,
\@cftasnumb .. 16479,	3077, 3093, 3103,	6492, 9801, 9833,
16510, 16533,	3112, 3115, 3124	9914, 10542,
16550, 16567,	\@clubpenalty 578, 6101, 7712,	10566, 12341,
16584, 16601,	13984, 14186, 16386	12420, 17663, 17685
16618, 16636,	\@colht 2102,	\@combinefloats .. 9513
16655, 16675, 16710	2103, 6588, 6589,	\@compactenum@ ... 4814
\@cftbsnum ... 16477,	6599, 6600, 6607,	\@cons 17787, 17788
16508, 16531,	6622, 6656, 6659,	\@contcshortstyle 12202
16548, 16565,	6681, 6682, 6741,	\@contcstyle 12207, 12213, 12218
16582, 16599,	6753, 6754, 6764,	\@contcwidth 12196, 12197
16616, 16634,	6765, 6772, 6789,	\@contdelim 12190, 12201,
16653, 16673, 16708	6793, 9518, 9933,	12205, 12212, 12217
\@cftdopartfalse . 16451	12279, 12282,	\@contfield 5451, 5466, 5498
\@cftdoparttrue 16454, 16458	12284, 12286,	\@confinal 12190, 12202,
\@cftl@subfig 16642	12291, 12292,	12208, 12214, 12218
\@cftl@subtab ... 16662	12293, 12312,	\@contfmark 12189, 12192
\@chapapp 5868, 6063,	12313, 12314,	\@contfnote 12188, 12191
7673, 9592, 14156	12318, 12361,	\@contindw 12213
\@chapterlistsgap@off	12364, 12366,	\@contnfont 12190, 12201,
..... 12747	12368, 12373,	12205, 12212, 12217
\@chapterlistsgap@on	12374, 12375,	\@contpost 12222
..... 12754, 12762	12394, 12395,	\@contpre ... 12200,
\@chclass .. 347, 359,	12396, 12400, 17898	12206, 12211, 12216
370, 1368, 1380,	\@colourfalse 2146	\@conttfont 12190, 12202,
1393, 1413, 1418,	\@colourgreenfalse	12208, 12214, 12218
16241, 16257,	..... 6806, 6904	\@curfield ... 5450,
16268, 17620, 17625	\@colourgreentruer ..	5465, 5485,
\@checkend ... 2395,	..... 6807, 6905	5499, 5509, 17837
2419, 3352, 3353	\@colourgreyfalse ..	\@curline 5448,
\@chnum 348, 355, 366,	..... 6810, 6908	5463, 17837, 17839
1369, 1376, 1389,	\@colourgreytrue ..	\@currbox 1985, 2016,
1399, 1415, 1416,	..... 6811, 6909	2020, 4058, 4061,
1417, 1430, 1438,	\@colourorangefalse	4102, 4105, 4110,
1464, 6214, 16242,	..... 6804, 6902	4114, 4146, 4149,
16249, 16264,	\@colourorangetruer ..	
17622, 17623, 17624	..... 6805, 6903	
\@circlefnt 9750	\@colouredfalse ..	
\@classiv 1913,	..... 6808, 6906	
11990, 16103,		



4154, 4158, 4190, 4193, 4198, 4202, 17710, 17713, 17718, 17722, 17754, 17757, 17762, 17766, 17788, 17797, 17829	10257, 10270, 10283	\@dblarg 12254
\@currentHlabel 11135, 11150, 11165, 11176, 11179, 11181	\@currentlabelname 11137, 11152, 11167, 11243, 11281, 11314, 11345, 11376	\@dblfloatplacement 6454, 6495, 9802, 9837, 9921, 10544, 10568, 12344, 12423, 17664, 17688
\@currentHref . 11136, 11151, 11166, 11177, 11180, 11182, 11242, 11280, 11313, 11344, 11375, 11467, 11478, 11480	\@currentenvir 2381, 2384, 2385, 2405, 2408, 2409, 2436, 17504	\@declaredcolor 6249, 6250, 17215, 17238
\@currentlabel 42, 55, 70, 251, 264, 278, 4449, 4466, 4483, 7769, 7785, 7801, 7814, 7827, 7840, 7985, 7995, 8005, 8031, 8044, 8056, 8083, 8096, 8132, 8141, 8150, 8175, 8187, 8198, 8224, 8236, 8272, 8282, 8292, 8318, 8331, 8343, 8370, 8383, 8419, 8429, 8439, 8465, 8478, 8490, 8517, 8530, 8566, 8576, 8586, 8612, 8625, 8637, 8664, 8677, 8713, 8723, 8733, 8759, 8772, 8784, 8811, 8824, 8860, 8870, 8880, 8906, 8919, 8931, 8958, 8971, 9007, 9017, 9027, 9053, 9066, 9078, 9105, 9118, 9154, 9164, 9174, 9200, 9213, 9225, 9252, 9265, 9349, 9361, 9373, 9399, 9413, 9427, 9461, 9475, 10199, 10215, 10230,	\@currentvline 17505 \@currlist 17787 \@curtabmar 17836, 17839 \@cvtheme ... 2226, 2229 \@cvthemeoptions 2227, 2229 \@date 426, 438, 474, 497, 763, 765, 777, 822, 842, 1014, 1016, 1028, 1073, 1093, 1263, 1265, 1277, 1322, 1343, 1352, 1712, 4978, 5032, 5666, 5668, 5680, 5842, 5844, 5856, 5932, 5944, 5980, 6003, 7471, 7481, 7515, 7536, 7566, 7578, 7614, 7637, 7721, 7726, 9651, 9661, 9695, 9716, 11494, 11499, 12129, 13449, 13451, 13463, 13508, 13528, 13588, 13590, 13604, 13651, 13674, 13683, 13840, 13852, 13893, 13915, 14026, 14038, 14074, 14097, 14421, 14481, 14535, 14932, 14992, 15046, 15489, 15490, 15493, 15498, 15607, 15667, 15721	\@dedication 14437, 14439, 14490, 14538, 14540, 14948, 14950, 15001, 15049, 15051, 15623, 15625, 15676, 15724, 15726 \@dedicatory 325 \@defaultskiptotal 198 \@definitionfileextension 2450, 2453 \@depth .. 384, 12002, 16082, 16112, 16153, 17602, 17826 \@dgroup 6120 \@dischyph .. 10502, 12058, 13249, 13263 \@displaypagenumbersfalse 2325 \@displaypagenumberstrue 2324 \@dmath 6108, 6137 \@docolbox 9972 \@dodynamicthefoot 9911 \@dodynamicthehead 9911 \@dofilelist 3363, 3364, 3366 \@dotsep 16855, 16856, 16964, 17645 \@dottedtocline 16970, 16971, 16973, 16991, 17634 \@dseries 6133 \@eha 2372, 16696 \@ehc 2055, 2089, 2598, 3555, 3557, 4256, 4258, 11630, 12464, 12470 \@ehd 12248
	\@datefield 15429	



\@eightcol@footgroupv@r	3199, 3222, 3252,	13650,	13651,
..... 8850	3260, 3279, 3282,	13787,	13850,
\@eightcollTRfootfmt	3293, 3297, 3307,	13851,	13852,
.. 8873, 8894, 8922	3313, 3314, 3315,	13853,	13891,
\@eightcollTRfootnotetext	3328, 3340, 3344,	13892,	13893,
..... 8845, 8866	3411, 3422, 4309,	13894,	13980,
\@eightcolRTLfootfmt	4328, 4347, 4368,	14036,	14037,
.. 8883, 8897, 8934	4375, 4960, 5027,	14038,	14039,
\@eightcolRTLfootnotetext	5028, 5029, 5602,	14072,	14073,
..... 8846, 8876	5677, 5678, 5679,	14074,	14075,
\@eightcolfootfmt	5680, 5789, 5853,	14182,	14342,
.. 8863, 8891, 8909	5854, 5855, 5856,	14395,	14400,
\@eightcolfootnotetext	5942, 5943, 5944,	14407,	14413,
..... 8844, 8856	5945, 5978, 5979,	14437,	14479,
\@elt	5980, 5981, 6097,	14480,	14481,
.... 2473, 2476,	6123, 7093, 7145,	14482,	14483,
3946, 3947, 3948,	7438, 7479, 7480,	14484,	14485,
3949, 3950, 3951,	7481, 7482, 7513,	14486,	14487,
3952, 3953, 3954,	7514, 7515, 7516,	14488,	14489,
3955, 3956, 3957,	7576, 7577, 7578,	14490,	14508,
3987, 3988, 3989,	7579, 7612, 7613,	14512,	14520,
3990, 3991, 3992,	7614, 7615, 7708,	14526,	14538,
3993, 3994, 3995,	7719, 7735, 7739,	14552,	14587,
3996, 3997, 3998,	9345, 9357, 9369,	14624,	14653,
3999, 4000, 4001,	9394, 9408, 9422,	14678,	14679,
4002, 4003, 4004,	9512, 9626, 9659,	14853,	14906,
6159, 7032, 7053,	9660, 9661, 9662,	14911,	14918,
7059, 7094, 7096,	9693, 9694, 9695,	14924,	14948,
7098, 7104, 7116,	9696, 9785, 9817,	14990,	14991,
7146, 7148, 7150,	10339, 10354,	14992,	14993,
7156, 16172, 16174	10573, 10574,	14994,	14995,
\@email 2238, 6894, 6992	10575, 10576,	14996,	14997,
\@emathdisplay . 184, 200	10577, 11137,	14998,	14999,
\@empty .. 83, 111, 130,	11152, 11167,	15000,	15001,
132, 292, 399,	11243, 11281,	15019,	15023,
436, 437, 438,	11314, 11345,	15031,	15037,
439, 472, 473,	11376, 11492,	15049,	15063,
474, 475, 574,	11660, 11666,	15090,	15120,
708, 774, 775,	11683, 11685,	15190,	15220,
776, 777, 819,	12016, 12126,	15245,	15246,
820, 821, 822,	12127, 12128,	15402,	15430,
970, 1025, 1026,	12129, 12741,	15431,	15432,
1027, 1028, 1070,	13156, 13394,	15433,	15434,
1071, 1072, 1073,	13460, 13461,	15435,	15436,
1219, 1274, 1275,	13462, 13463,	15437,	15441,
1276, 1277, 1319,	13505, 13506,	15447,	15453,
1320, 1321, 1322,	13507, 13508,	15459,	15465,
1710, 1711, 1712,	13601, 13602,	15471,	15477,
1713, 1972, 2352,	13603, 13604,	15483,	15489,
2361, 2393, 2417,	13648, 13649,	15498,	15528,
3179, 3192, 3193,			



15581, 15586,	17377, 17379,	\@firstampfalse ...
15593, 15599,	17381, 18060, 18062	..... 1428, 1436
15623, 15665,	\@ensure@RL 13110, 17368	\@firstcolfirstmark
15666, 15667,	\@ensure@RTL .. 13108,	..... 9784,
15668, 15669,	13110, 17366, 17368	9785, 9789,
15670, 15671,	\@ensure@dir .. 13112,	9816, 9817, 9821
15672, 15673,	13113, 17370, 17371	\@firstcoltopmark .
15674, 15675,	\@ensure@maindir ..	..... 9782,
15676, 15694,	..... 13113, 17371	9790, 9814, 9822
15698, 15706,	\@enumctr ... 4815, 4816	\@firstcolumnfalse
15712, 15724,	\@eqnnum 9869, 11488, 17917	... 6433, 6469,
15738, 15768,	\@evenfoot	6797, 9776, 9808,
15822, 15852,	.. 1674, 9904, 17861	9928, 10530,
15877, 15878,	\@evenhead . 9903, 17860	10550, 12277,
16040, 16159,	\@expandtwoargs .. 3298	12359, 17652, 17670
16207, 16382,	\@extrafootnotefeaturesfalse	\@firstcolumntrue .
16682, 16684,	..... 1601	... 6436, 6472,
17218, 17221,	\@extrafootnotefeaturetrue	6751, 9792, 9825,
17261, 17264,	..... 1599	9892, 10535,
17395, 17610,	\@extrainfo	10555, 12321,
17619, 17863,	.. 2239, 6895, 6993	12403, 17654, 17673
17864, 17866, 17867	\@extratitle	\@firstdetailselementfalse
\@emptycol 6592, 6595,	.. 14395, 14396,	..... 6974
6611, 6614, 6757,	14484, 14508,	\@firstdetailselementtrue
6760, 6776, 6779	14509, 14906,	..... 6971
\@emptytoks	14907, 14995,	\@firstfooterelementfalse
\@end@tempboxa	15019, 15020,	..... 6890,
10681, 10698, 17498	15581, 15582,	6891, 6892,
\@endalgoln	15670, 15694, 15695	6893, 6894, 6895
\@endfloatbox	\@familyname ... 2171,	\@firstfooterelementtrue
2037	2173, 2174, 2232,	..... 6875
\@endmodernpoem ...	6869, 6959, 6980	\@firstname ... 2171,
..... 5461, 5481	\@familynamecolour	2173, 2174, 2231,
\@endparenv .. 5365,	..... 2201, 2218	6869, 6959, 6980
5478, 12788, 12808	\@fancyfoot	\@firstnamecolour .
\@endparpenalty 1829,	9768	..... 2200, 2217
1838, 9848, 9862	\@fancyhead	\@firstofone
\@endpbox	9764, 9769	... 2905, 2912,
1406,	\@fax ... 2237, 6893, 6991	2918, 2931, 2937,
1407, 1448, 1472,	\@ff@do@allframes .	3465, 11449,
1473, 1474, 6222,	..... 9913, 9918	11450, 11451,
6223, 6224,	\@ff@fbox	11452, 12252,
11987, 11993,	9981	14778, 15345, 15977
16118, 16157, 17608	\@ff@setoffset ... 9978	\@firstoftwo
\@endpefalse	\@ffbackground ... 9968	... 2482, 2490,
17507	\@filef@und . 2995, 3012	2496, 2500, 2508,
\@endtraditionalpoem	\@finalstrut	2514, 2517, 2520,
..... 5345, 5417	... 7774, 7790,	2534, 2541, 2707,
\@ensure@LR 13111, 17369	7806, 7820, 7833,	2725, 2731, 2755,
\@ensure@LTR .. 13109,	7846, 10204,	
13111, 13119,	10220, 10235,	
17367, 17369,	10261, 10274, 10287	



2782, 2812, 2872, 2882, 3003, 12722	\@footnotemark . . . .	. . . 8295, 8309, 8346
\@fivecol@footgroupv@r	. . . . 1945, 1953,	\@fourcolRTLfootnotetext
. 8409	1961, 4421, 4511,	. . . . . 8258, 8288
\@fivecollTRfootfmt	4518, 4540, 4547,	\@fourcolfootfmt . .
. . 8432, 8453, 8481	4569, 4576, 5399,	. . 8275, 8303, 8321
\@fivecollTRfootnotetext	5406, 5413, 10170,	\@fourcolfootnotetext
. 8404, 8425	10176, 10179,	. . . . . 8256, 8268
\@fivecolRTLfootfmt	10185, 11172,	\@fps 1966, 1967,
. . 8442, 8456, 8493	11195, 11384,	1969, 1972, 1989
\@fivecolRTLfootnotetext	11388, 11402, 11403	\@fpsadddefault . . .
. 8405, 8435	\@footnotetext . . 34,	. . . . . 1970, 1973
\@fivecolfootfmt . .	76, 147, 148,	\@freelist 1985, 3946,
. . 8422, 8450, 8468	149, 243, 285,	3987, 4102, 4103,
\@fivecolfootnotetext	1901, 2024, 4442,	4146, 4147, 4190,
. 8403, 8415	4511, 4518, 5262,	4191, 9511, 17710,
\@float 3698, 4021	5273, 5486, 5500,	17711, 17754,
\@floatboxreset . . 2035	7012, 7013, 7761,	17755, 17787, 17788
\@floatpenalty 1978,	7848, 7855, 7969,	\@fs@capt 4035, 4048, 4056
1980, 1983, 4094,	8116, 8256, 8403,	\@fs@cfont . . . 4028,
4096, 4100, 4104,	8550, 8697, 8844,	4034, 4044, 4047,
4138, 4140, 4144,	8991, 9138, 9327,	4055, 9873, 9874
4148, 4182, 4184,	10192, 10246,	\@fs@iftopcapt . . .
4188, 4192, 17702,	10302, 11048,	. . 4039, 4052, 4065
17704, 17708,	11056, 11127,	\@fs@mid 4038, 4051, 4063
17712, 17746,	11192, 11385,	\@fs@post 4037, 4050, 4064
17748, 17752, 17756	11389, 11405,	\@fs@pre 4036, 4049, 4057
\@fltovf	11406, 12031,	\@g@tnextcol 9890
2018, 4105, 4149,	12114, 12609,	\@getcirc 9746
4193, 17713, 17757	12610, 12611,	\@gnewline . . . 13198,
\@flushglue . . 5247,	14324, 14327,	13211, 13224, 13235
5248, 12064,	14703, 14704,	\@gobble 1881,
13256, 13949, 17548	14714, 14835,	2392, 2416, 2438,
\@fnsymbol . 448, 738,	14838, 15270,	2443, 2835, 2836,
797, 989, 1048,	15271, 15281,	2837, 2838, 2839,
1238, 1297, 1698,	15510, 15513,	2907, 2920, 2924,
5641, 5817, 5954,	15902, 15903,	2951, 2965, 2977,
7491, 7588, 9671,	15913, 16187, 16204	2991, 3209, 3344,
13424, 13483,	\@footstartv@r . . . 7899	3521, 5082, 5147,
13563, 13624,	\@for 3220, 3281,	9947, 9948, 9949,
13819, 13862,	3294, 3316, 3320,	12249, 14704,
14048, 14392,	4310, 4315, 4329,	14706, 14708,
14456, 14903,	4334, 4348, 4353,	15271, 15273,
14967, 15578, 15642	4376, 4385, 6413	15275, 15903,
\@footgroupv@r 7899,	\@fourcol@footgroupv@r	15905, 15907,
7948, 7975, 8122,	. . . . . 8262	17222, 17265,
8262, 8409, 8556,	\@fourcollTRfootfmt	17872, 17873, 17874
8703, 8850,	. . 8285, 8306, 8334	\@gobbletwo
8997, 9144, 9333	\@fourcollTRfootnotetext	. . . 2463, 2464,
\@footnote 4909	. . . . . 8257, 8278	2467, 2468, 11536
	\@fourcolRTLfootfmt	\@gtempa 2558, 2559



<code>\@halignto</code> 388, 403, 16116, 16155, 17395, 17606, 17619	<code>\@ifclasslater</code> 3507, 3512 <code>\@ifclassloaded</code> . . . 3127, 3506, 3511, 3542, 4922, 4924, 5911, 7861, 9990, 10003, 17929, 17930, 17931, 17932, 17933, 17934, 17935, 17936, 17937, 17938, 17939, 17940, 17941, 17942, 17943, 17944, 17945, 17946, 17947, 17948, 17949, 17950, 17951, 17952, 17953, 17977, 18054, 18055	11456, 11787, 12228, 14786, 15353, 15985, 16369, 17396, 17916, 17941, 17951, 17954, 17958, 17959, 17960, 17961, 17962, 17969, 17970, 17971, 17972, 17973, 17974, 17975, 17976, 17977, 17978, 17979, 17980, 17981, 17982, 17983, 17984, 17985, 17986, 17987, 17988, 17989, 17990, 17991, 17992, 17993, 17994, 17995, 17996, 17997, 17998, 17999, 18000, 18001, 18002, 18003, 18004, 18005, 18006, 18007, 18010, 18011, 18012, 18013, 18036, 18037, 18038, 18039, 18040, 18041, 18042, 18043, 18044, 18045, 18046, 18047, 18048, 18049, 18050, 18051, 18052, 18053, 18054, 18055, 18057
<code>\@hangfrom</code> . . . 14731, 14743, 14745, 15298, 15310, 15312, 15930, 15942, 15944, 17572	<code>\@ifdefinable</code> . 2546, 2549, 2552, 2561, 2585, 2600, 10093 <code>\@ifdefinitionfileloaded</code> 2453, 18056 <code>\@ifempty</code> 7, 208 <code>\@ifl@aded</code> 2452, 2453, 2454 <code>\@ifnextchar</code> 159, 400, 1849, 1879, 1894, 2058, 2575, 3096, 3097, 3141, 3142, 3186, 4107, 4151, 4195, 6249, 6264, 10168, 10177, 10326, 10341, 10653, 11392, 11416, 12621, 12792, 12812, 17215, 17258, 17422, 17715, 17759	<code>\@ifpackagewith</code> 6390, 16393, 17963, 17966, 17967, 17968, 18014, 18024, 18030 <code>\@ifstar</code> . 2692, 3095, 3140, 3182, 3274, 3864, 7348, 10656 <code>\@iftagsloaded</code> 2452, 17955, 17956
<code>\@height</code> 383, 1486, 6236, 10483, 12001, 12036, 12084, 14370, 14377, 14881, 14888, 15556, 15563, 16082, 16111, 16153, 17601, 17826	<code>\@ifpackagelater</code> . . . 3505, 3510, 10039 <code>\@ifpackageloaded</code> 1445, 2768, 3169, 3229, 3464, 3482, 3504, 3509, 4014, 4019, 4072, 7344, 7345, 7952, 9301, 11189, 11209, 11287,	
<code>\@highpenalty</code> . 5548, 5564, 5571, 5581, 5724, 5740, 5747, 5757, 6010, 6025, 6035, 7644, 9560, 9575, 9585, 13335, 13351, 13358, 13368, 13706, 13722, 13729, 13739, 13921, 13935, 13945, 14104, 14119, 14129, 14573, 15059, 15080, 15086, 15107, 15115, 15139, 15734, 15755, 15763, 15787, 16464, 16499	<code>\@hintcolour</code> . 2208, 2224 <code>\@holdpg</code> . 6522, 6528, 6535, 6546, 6556, 6656, 6657, 6659, 6662, 6666, 6671, 6676, 6680, 6688, 6700, 6713, 6720 <code>\@idxitem</code> 98, 103, 228, 233, 597, 612, 860, 1111, 4873, 4880, 5523, 5699, 5909, 13292, 13546, 14004, 16444, 17927	



<code>\@iftexfileloaded</code> .	<code>\@latex@warning</code> . 91,	<code>\@mainmatterfalse</code> .
2454, 18008, 18009	300, 582, 713,	..... 5109,
<code>\@ifundefined</code> .. 332,	975, 1224, 2357,	5139, 6086, 7697
333, 2328, 3084,	5607, 5794, 6105,	<code>\@mainmattertrue</code> ..
3088, 3238, 3331,	7443, 7716, 9631,	..... 5106, 5122
3554, 3556, 4244,	13399, 13792,	<code>\@makecaption</code>
4252, 4255, 4257,	13988, 14190,	... 3859, 6197,
4736, 4744, 4859,	14661, 14668,	12185, 12235,
4861, 4866, 4956,	15228, 15235,	12267, 14772,
4973, 6251, 6258,	15860, 15867, 16390	15339, 15971, 17902
6266, 6272,	<code>\@latex@warning@no@line</code>	<code>\@makechapterhead</code> .
9876, 10086,	... 6590, 6608,	... 303, 5863,
11459, 11460,	6755, 6773, 17802	6058, 7668, 9588,
11632, 11682,	<code>\@latexbug</code>	13181, 14152, 16409
11684, 11688,	<code>\@leftcolumn</code>	<code>\@makecol</code> 2097, 2109, 9555
12835, 16683, 16687	... 6434, 6440,	<code>\@makefnmark</code> ... 449,
<code>\@ifundefinedmodel</code>	6470, 6476, 6629,	798, 1298, 1699,
..... 17248, 17282	6657, 6663, 6672,	4417, 4428, 5955,
<code>\@ifxempty</code>	9777, 9796, 9809,	7017, 7038, 7492,
<code>\@ignoretrue</code>	9828, 10531,	7589, 9672,
<code>\@iiiminipage</code> ... 10289	10538, 10551,	11184, 12133,
<code>\@iiiparbox</code>	10560, 12278,	13484, 13625,
. 7936, 10320, 17479	12322, 12334,	13820, 13863,
<code>\@indextitlestyle</code> .	12360, 12404,	14049, 14393,
..... 96, 226	12412, 17653,	14394, 14457,
<code>\@inlabelfalse</code> 6111	17658, 17671, 17677	14458, 14904,
<code>\@insertfalse</code> 6513, 6621	<code>\@let@token</code> . 2429, 2432	14905, 14968,
<code>\@inserttrue</code> . 6586, 6750	<code>\@lettrine</code>	14969, 15579,
<code>\@iprintcites</code> 13190	<code>\@listI</code>	15580, 15643, 15644
<code>\@itemfudge</code> 17836, 17838	<code>\@listdepth</code>	<code>\@makefnintext</code> . 44, 57,
<code>\@itemlabel</code> .....	... 10152, 10305,	72, 253, 266, 280,
17442	10507, 10511,	450, 735, 800,
<code>\@ixpt</code>	17433, 17436, 17441	986, 1049, 1235,
<code>\@keywords</code>	<code>\@listi</code> 3568, 3576, 4777	1300, 1700, 4415,
<code>\@kludgeins</code>	<code>\@loadwithoptions</code> .	4453, 4470, 4487,
<code>\@komalongtablefalse</code>	... 3019, 3021, 3028	5638, 5814, 5956,
14786, 15353, 15985	<code>\@lowertitleback</code> ..	7493, 7590, 7772,
<code>\@lastchclass</code> .....	..... 14434,	7788, 7804, 7818,
..... 348, 349,	14489, 14945,	7831, 7844, 9673,
350, 351, 353,	15000, 15620, 15675	10203, 10219,
1369, 1370, 1371,	<code>\@lowpenalty</code> 1825, 16764	10234, 10260,
1372, 1374, 1413,	<code>\@m</code> 89, 298, 580,	10273, 10286,
1414, 1426, 1434,	711, 973, 1222,	10578, 12135,
16242, 16243,	5605, 5792, 6103,	13421, 13486,
16244, 16245,	7441, 7714, 9629,	13560, 13627,
16247, 17620, 17621	10532, 10552,	13822, 13865,
<code>\@lastvipertrue</code> 6597,	12721, 13397,	14050, 14340,
6616, 6762, 6781	13790, 13986,	14851, 15401, 15526
<code>\@latex@error</code>	14188, 14657,	<code>\@makeother</code> .. 2691,
... 2371, 3203,	15224, 15856, 16388	2737, 2846, 2854
12248, 12464, 12470		



<code>\@makeschapterhead</code>	17713, 17717,	<code>\@mobile</code> 2235, 6891, 6989
..... 5519,	17721, 17722,	<code>\@modernpoem</code> . 5437, 5481
5695, 5883,	17755, 17757,	<code>\@mpLTRfootnotetext</code>
5904, 6072, 7683,	17761, 17765,	..... 7822,
9600, 13288,	17766, 17787,	7852, 7859, 7977,
13542, 13999,	17797, 17800,	8124, 8264, 8411,
14164, 16415, 16420	17808, 17810,	8558, 8705, 8852,
<code>\@makespecialcolbox</code> 9516	17811, 17813,	8999, 9146, 9335,
<code>\@maketitle</code> 116, 318,	17814, 17815,	10263, 10303,
322, 455, 457,	17824, 17828, 17829	11078, 11093,
462, 471, 481,	<code>\@mathmargin</code> .. 7300,	1116, 11197, 12115
804, 806, 811,	7307, 7315, 7322	<code>\@mpRTLfootnotetext</code>
818, 828, 1055,	<code>\@mathsemicolon</code> 180, 199	..... 7835,
1057, 1062, 1069,	<code>\@maxdepth</code>	7853, 7860, 7978,
1079, 1304, 1306,	.. 7897, 9527, 9554	8125, 8265, 8412,
1311, 1318, 1328,	<code>\@memptemp</code> ... 12185,	8559, 8706, 8853,
1703, 1709, 5961,	12187, 12201,	9000, 9147, 9336,
5963, 5968, 5977,	12208, 12212, 12217	10250, 10304,
5987, 7498, 7500,	<code>\@midlist</code> ... 9511, 9512	11067, 11092,
7505, 7512, 7522,	<code>\@minipagefalse</code> ...	11105, 11198, 12116
7595, 7597, 7602,	... 2039, 4124,	<code>\@mparbottom</code> .. 2082,
7611, 7621, 9678,	4133, 4168, 4177,	17798, 17806,
9680, 9685, 9692,	4212, 4221, 7933,	17807, 17808, 17809
9702, 12138,	10317, 11652,	<code>\@mpargs</code>
12140, 12147,	12241, 14762,	7936, 10295, 10320
13490, 13492,	15329, 15961,	<code>\@mparswitchfalse</code> 3538
13497, 13504,	17732, 17741,	<code>\@mparswitchtrue</code> . 3533
13514, 13631,	17776, 17785, 17908	<code>\@mpeightcol@footgroupv@r</code>
13633, 13638,	<code>\@minipagerestore</code> 10306	..... 8855
13647, 13657,	<code>\@minipagetrue</code>	<code>\@mpeightcolLTRfootnotetext</code>
13874, 13876,	.... 4132, 4176,	..... 8852, 8912
13881, 13890,	4220, 17740, 17784	<code>\@mpeightcolRTLfootnotetext</code>
13900, 14055,	<code>\@minus</code> .....	..... 8853, 8925
14057, 14062,	2360, 3564, 3566,	<code>\@mpeightcolfootnotetext</code>
14071, 14081,	3573, 3575, 3577,	..... 8851, 8900
14461, 14463,	3578, 4774, 4776,	<code>\@mpfivecol@footgroupv@r</code>
14468, 14478,	4778, 4779, 10421,	..... 8414
14503, 14972,	10459, 12718, 16047	<code>\@mpfivecolLTRfootnotetext</code>
14974, 14979,	<code>\@mkboth</code> .. 566, 593,	..... 8411, 8471
14989, 15014,	609, 700, 857,	<code>\@mpfivecolRTLfootnotetext</code>
15647, 15649,	962, 1108, 1211,	..... 8412, 8484
15654, 15664, 15689	5520, 5594, 5696,	<code>\@mpfivecolfootnotetext</code>
<code>\@maketitle@hook</code> ... 114	5781, 5905, 6089,	..... 8410, 8459
<code>\@makewincaption</code> 12926	7430, 7700, 9618,	<code>\@mpfn</code> 1920, 1923, 1926,
<code>\@marbox</code>	13289, 13386,	1942, 1950, 1958,
4105, 4109, 4113,	13543, 13779,	4509, 4515, 4538,
4114, 4147, 4149,	13972, 14000, 14174	4544, 4567, 4573,
4153, 4157, 4158,	<code>\@mklab</code>	5376, 5379, 5382,
4191, 4193, 4197,	<code>\@mkpream</code> 387, 12006,	5396, 5403, 5410,
4201, 4202, 17711,	16114, 16147, 17604	10168, 10173,



10177, 10182,	..... 8264, 8324	\@mpthreecolLTRfootnotetext
10301, 10331,	\@mpfourcolRTLfootnotetext	8124, 8180
10346, 11053,	..... 8265, 8337	\@mpthreecolRTLfootnotetext
11064, 11075,	\@mpfourcolfootnotetext	8125, 8192
11292, 11323,	..... 8263, 8312	\@mpthreecolfootnotetext
11354, 11417,	\@mplistdepth	8123, 8169
12111, 16229, 16236	..... 10152, 10305	\@mptwocol@footgroupv@r
\@mpfootins .. 7810,	\@mpninelcol@footgroupv@r	7980
7811, 7823, 7824,	..... 9002	\@mptwocolLTRfootnotetext
7836, 7837, 7917,	\@mpninelcolLTRfootnotetext	7977, 8037
7926, 7927, 7930,	..... 8999, 9059	\@mptwocolRTLfootnotetext
10252, 10253,	\@mpninelcolRTLfootnotetext	7978, 8050
10265, 10266,	..... 9000, 9072	\@mptwocolfootnotetext
10278, 10279,	\@mpninelcolfootnotetext	7976, 8025
10311, 10312,	..... 8998, 9047	\@namedef 3088,
10315, 12100, 12105	\@mppara@footgroupv@r	3239, 5434, 7938,
\@mpfootinsv@r ....	..... 9338	7968, 8073, 8074,
.... 7916, 7949,	\@mpparaLTRfootnotetext	8102, 8107, 8111,
8026, 8027, 8038,	..... 9335, 9406	8115, 8214, 8215,
8039, 8051, 8052,	\@mpparaRTLfootnotetext	8247, 8251, 8255,
8170, 8171, 8181,	..... 9336, 9420	8360, 8361, 8389,
8182, 8193, 8194,	\@mpparafootnotetext	8394, 8398, 8402,
8313, 8314, 8325,	..... 9334, 9392	8507, 8508, 8536,
8326, 8338, 8339,	\@mpsevenscol@footgroupv@r	8541, 8545, 8549,
8460, 8461, 8472,	..... 8708	8654, 8655, 8683,
8473, 8485, 8486,	\@mpsevenscolLTRfootnotetext	8688, 8692, 8696,
8607, 8608, 8619,	..... 8705, 8765	8801, 8802, 8830,
8620, 8632, 8633,	\@mpsevenscolRTLfootnotetext	8835, 8839, 8843,
8754, 8755, 8766,	..... 8706, 8778	8948, 8949, 8977,
8767, 8779, 8780,	\@mpsevenscolfootnotetext	8982, 8986, 8990,
8901, 8902, 8913,	..... 8704, 8753	9095, 9096, 9124,
8914, 8926, 8927,	\@mpsixcol@footgroupv@r	9129, 9133, 9137,
9048, 9049, 9060,	..... 8561	9242, 9243, 9271,
9061, 9073, 9074,	\@mpsixcolLTRfootnotetext	9276, 9280, 9326,
9195, 9196, 9207,	..... 8558, 8618	9445, 9446, 9447,
9208, 9220, 9221,	\@mpsixcolRTLfootnotetext	9489, 9496, 9503,
9393, 9395, 9407,	..... 8559, 8631	16698, 16737,
9409, 9421, 9423	\@mpsixcolfootnotetext	16738, 16739,
\@mpfootnotetext ..	..... 8557, 8606	16740, 16741,
..... 7809,	\@mptencol@footgroupv@r	16742, 16743,
7851, 7858, 7976,	..... 9149	16744, 16745, 16746
8123, 8263, 8410,	\@mptencolLTRfootnotetext	\@nameuse 3085,
8557, 8704, 8851,	..... 9146, 9206	5432, 7230, 7280,
8998, 9145, 9334,	\@mptencolRTLfootnotetext	7283, 7329, 8070,
10276, 10302,	..... 9147, 9219	8072, 8073, 8074,
11056, 11091,	\@mptencolfootnotetext	8079, 8081, 8084,
11094, 11196, 12114	..... 9145, 9194	8086, 8091, 8092,
\@mpfourcol@footgroupv@r	\@mpthreecol@footgroupv@r	8094, 8097, 8099,
..... 8267	..... 8127	8104, 8105, 8108,
\@mpfourcolLTRfootnotetext		8109, 8112, 8113,



8211, 8213, 8214,	9281, 9282, 9442,	16251, 16258,
8215, 8220, 8222,	9444, 9445, 9446,	16539, 17164,
8225, 8227, 8231,	9447, 9450, 9457,	17436, 17477,
8232, 8234, 8237,	9459, 9462, 9465,	17514, 17516,
8239, 8244, 8245,	9470, 9471, 9473,	17517, 17518,
8248, 8249, 8252,	9476, 9479, 9486,	17523, 17525,
8253, 8357, 8359,	9487, 9490, 9493,	17526, 17527,
8360, 8361, 8366,	9497, 9500, 9508,	17532, 17534,
8368, 8371, 8373,	9896, 14565,	17535, 17536,
8378, 8379, 8381,	14603, 15076,	17541, 17543,
8384, 8386, 8391,	15103, 15135,	17544, 17545,
8392, 8395, 8396,	15147, 15163,	17623, 17625, 17788
8399, 8400, 8504,	15171, 15179,	\@newlistfalse
8506, 8507, 8508,	15751, 15783,	. . . . . 9940, 17846
8513, 8515, 8518,	16427, 16699,	\@next 1985, 4102, 4103,
8520, 8525, 8526,	16700, 16701,	4146, 4147, 4190,
8528, 8531, 8533,	16704, 16707,	4191, 17710, 17711,
8538, 8539, 8542,	16712, 16713,	17754, 17755, 17787
8543, 8546, 8547,	16718, 16722,	\@nextchar 354,
8651, 8653, 8654,	16723, 16725,	356, 357, 358,
8655, 8660, 8662,	16726, 16728,	360, 361, 362,
8665, 8667, 8672,	16729, 16731,	363, 364, 367,
8673, 8675, 8678,	16732, 16734,	368, 369, 1375,
8680, 8685, 8686,	16735, 16742,	1377, 1378, 1379,
8689, 8690, 8693,	16747, 16748,	1381, 1382, 1383,
8694, 8798, 8800,	17250, 17284, 17855	1384, 1385, 1386,
8801, 8802, 8807,	\@ne 133, 138,	1387, 1390, 1391,
8809, 8812, 8814,	348, 357, 360,	1392, 1404, 1406,
8819, 8820, 8822,	454, 803, 1054,	1407, 1472, 1473,
8825, 8827, 8832,	1303, 1369, 1378,	1474, 6222, 6223,
8833, 8836, 8837,	1381, 1382, 1383,	6224, 16248,
8840, 8841, 8945,	1416, 1419, 1420,	16250, 16251,
8947, 8948, 8949,	1421, 1995, 2050,	16252, 16253,
8954, 8956, 8959,	3446, 3455, 5960,	16254, 16255,
8961, 8966, 8967,	6401, 7497, 7594,	16256, 16258,
8969, 8972, 8974,	9677, 10251,	16259, 16260,
8979, 8980, 8983,	10264, 10277,	16261, 16262,
8984, 8987, 8988,	10521, 11616,	16265, 16266, 16267
9092, 9094, 9095,	11628, 11636,	\@nil 1457, 1458, 1460,
9096, 9101, 9103,	12008, 12137,	1461, 6211, 7060,
9106, 9108, 9113,	12214, 12440,	7117, 11462, 11471,
9114, 9116, 9119,	12791, 12811,	11473, 11485, 16343
9121, 9126, 9127,	13489, 13630,	\@ninecol@footgroupv@r
9130, 9131, 9134,	13826, 13869,	. . . . . 8997
9135, 9239, 9241,	13873, 14054,	\@ninecolLTRfootfmt
9242, 9243, 9248,	14346, 14460,	. . . . . 9020, 9041, 9069
9250, 9253, 9255,	14857, 14971,	\@ninecolLTRfootnotetext
9260, 9261, 9263,	15406, 15532,	. . . . . 8992, 9013
9266, 9268, 9273,	15646, 16177,	\@ninecolRTLfootfmt
9274, 9277, 9278,	16181, 16242,	. . . . . 9030, 9044, 9081



\@ninecolRTLfootnotetext	\@onefilewithoptions	12421, 12426,
..... 8993, 9023	.. 3035, 3036, 3043	17663, 17666,
\@ninecolfootfmt ..	\@onelevel@sanitize 1967	17686, 17691, 17841
.. 9010, 9038, 9056	\@onlypreamble	\@ovbtrue 9735
\@ninecolfootnotetext	.. 3258, 3268, 3272	\@ovdx 9748, 9756
..... 8991, 9003	\@openbib@code	\@ovdy 9749, 9757
\@nmbrlistfalse .. 17444	..... 572, 706,	\@ovhorz 9754, 9755
\@nobreakfalse . 515,	968, 1217, 2350,	\@ovltrue 9735
666, 909, 1147,	2361, 5600, 5787,	\@ovri 9747
5558, 5734, 6020,	6095, 7436, 7706,	\@ovro .. 9747, 9756, 9757
7653, 9570,	9624, 13392,	\@ovrtrue 9735
13345, 13716,	13785, 13978,	\@ovttrue 9735
13930, 14114,	14180, 14643,	\@ovvert 9752, 9753
14571, 16486, 16490	15210, 15842, 16380	\@ovxx ... 9737, 9738,
\@nobreaktrue .. 514,	\@otarlinesep 16137, 16143	9741, 9748, 9753,
665, 908, 1146,	\@outerparskip 5362, 5475	9754, 9758, 9759
5557, 5733, 6019,	\@outputbox .. 6434,	\@ovyy ... 9739, 9740,
7652, 9569,	6437, 6442, 6447,	9741, 9749, 9755
13344, 13715,	6449, 6470, 6473,	\@pagedp ... 17816, 17826
13929, 14113,	6481, 6486, 6488,	\@pageht 6514,
14570, 16485, 16489	7896, 7898, 9518,	6623, 17799, 17806
\@nocnterr 333	9520, 9521, 9526,	\@para@footgroupv@r
\@nocounterr 332	9539, 9541, 9546,	..... 9333
\@nodocument 1964	9777, 9780, 9793,	\@paraLTRfootfmt ..
\@noitemerr	9798, 9809, 9812,	.. 9365, 9384, 9417
... 91, 300, 581,	9826, 9832,	\@paraLTRfootnotetext
712, 974, 1223,	9913, 9918, 9957,	..... 9328, 9356
2357, 5606, 5793,	10531, 10536,	\@paraRTLfootfmt ..
6104, 7442, 7715,	10541, 10551,	.. 9377, 9388, 9431
9630, 12728,	10556, 10563,	\@paraRTLfootnotetext
13398, 13791,	12278, 12297,	..... 9329, 9368
13987, 14189,	12322, 12325,	\@parafootRTLfalse 7760
14660, 14667,	12327, 12337,	\@parafootRTLtrue 7759
15227, 15234,	12360, 12379,	\@parafootfmt
15859, 15866, 16389	12404, 12407,	.. 9353, 9380, 9403
\@normalcr 12067	12409, 12417,	\@parafootnotetext
\@notprerr .. 2907, 2920	17653, 17655,	..... 9327, 9344
\@nx 120, 121, 336	17660, 17671,	\@parboxrestore 41, 54,
\@nxtcol 9888, 9890, 9931	17674, 17682, 17889	69, 250, 263, 277,
\@oddfoot 1669, 9901,	\@outputdblcol 9887,	2034, 3853, 4121,
9908, 17858, 17867	17696, 17697, 17698	4165, 4209, 6149,
\@oddhead 9900,	\@outputpage	7813, 7826, 7839,
9907, 17858, 17866	..... 2098, 2110,	7912, 8030, 8042,
\@oldmakefnmark ...	6453, 6456, 6493,	8055, 8095, 8174,
..... 14393,	6498, 9801, 9804,	8185, 8197, 8235,
14394, 14457,	9835, 9839, 9915,	8317, 8329, 8342,
14458, 14904,	9919, 9924, 9935,	8382, 8464, 8476,
14905, 14968,	10542, 10546,	8489, 8529, 8611,
14969, 15579,	10566, 10570,	8623, 8636, 8676,
15580, 15643, 15644	12342, 12347,	8758, 8770, 8783,



8823, 8905, 8917, 8930, 8970, 9052, 9064, 9077, 9117, 9199, 9211, 9224, 9264, 9398, 9412, 9426, 9474, 9940, 10198, 10214, 10229, 10256, 10269, 10282, 10300, 12262, 12439, 17485, 17729, 17773, 17847 \@parboxto . 17488, 17495 \@parmoderr 1983, 4099, 4143, 4187, 17707, 17751 \@part 545, 7401 \@pboxswfalse 10291, 17481 \@pboxswtrue 17493 \@phone 2236, 6892, 6990 \@photo . . 2241, 6865, 6867, 6996, 6998 \@photowidth . . 2240, 2241, 6867, 6963 \@pkgextension 3063, 3074, 3138, 3147, 3155, 3158, 3166 \@plus 24, 99, 229, 505, 522, 596, 611, 640, 643, 656, 674, 681, 859, 866, 869, 882, 899, 917, 1110, 1121, 1124, 1137, 1155, 1163, 2275, 2360, 3564, 3565, 3566, 3573, 3574, 3575, 3577, 3578, 4774, 4775, 4776, 4778, 4779, 4845, 5522, 5533, 5536, 5549, 5565, 5572, 5698, 5709, 5712, 5725, 5741, 5748, 5908, 6011, 6026, 7377, 7391, 7645, 9382, 9386, 9390, 9485, 9561, 9576, 10421, 10459, 12491,	12503, 12718, 13291, 13320, 13323, 13336, 13352, 13359, 13545, 13691, 13694, 13707, 13723, 13730, 13922, 13936, 14003, 14105, 14120, 14368, 14375, 14399, 14422, 14440, 14511, 14536, 14549, 14584, 14685, 14690, 14879, 14886, 14910, 14933, 14951, 15022, 15047, 15060, 15087, 15117, 15252, 15257, 15554, 15561, 15585, 15608, 15626, 15697, 15722, 15735, 15765, 15884, 15889, 16046, 16294, 16323, 16443, 16718, 16771, 16955, 17636 \@pnumwidth 13, 15, 214, 216, 508, 509, 511, 525, 526, 530, 659, 660, 662, 684, 685, 689, 885, 886, 890, 902, 903, 905, 1140, 1141, 1143, 1166, 1167, 1171, 5552, 5553, 5555, 5575, 5576, 5580, 5728, 5729, 5731, 5751, 5752, 5756, 6014, 6015, 6017, 6029, 6030, 6034, 6286, 6291, 6292, 7380, 7381, 7385, 7394, 7395, 7397, 7647, 7648, 7650, 9564, 9565, 9567,	9579, 9580, 9584, 12511, 13339, 13340, 13342, 13362, 13363, 13367, 13710, 13711, 13713, 13733, 13734, 13738, 13924, 13925, 13927, 13939, 13940, 13944, 14108, 14109, 14111, 14123, 14124, 14128, 14557, 14558, 14564, 14593, 14594, 14601, 15068, 15069, 15075, 15095, 15096, 15102, 15126, 15127, 15134, 15743, 15744, 15750, 15774, 15775, 15782, 16350, 16359, 16361, 16748, 16862, 16967, 17648 \@preamble 388, 389, 399, 401, 1429, 1437, 12012, 16115, 16117, 16124, 16155, 16156, 16164, 17605, 17607, 17616 \@preameightfmt 8886, 8892, 8895, 8898, 8978 \@preamerr 370, 1393, 1423, 16268, 17614, 17627 \@preamfivefmt 8445, 8451, 8454, 8457, 8537 \@preamfntext 7767, 7783, 7799, 7907, 7984, 7994, 8004, 8082, 8131, 8140, 8149, 8223, 8271, 8281, 8291, 8369, 8418,
--	--	---



8428, 8438, 8516, 8565, 8575, 8585, 8663, 8712, 8722, 8732, 8810, 8859, 8869, 8879, 8957, 9006, 9016, 9026, 9104, 9153, 9163, 9173, 9251, 9348, 9360, 9372, 9460	\@raggedtwoe@gnewline . 13198, 13211, 13224 \@raggedtwoe@raggedrightb 13244, 13273 \@raggedtwoe@samed@gnewline 13235 \@raggedtwoe@samedcr 13195, 13208, 13221, 13234 \@raggedtwoe@spaceskipfalse 13241 \@raggedtwoe@spaceskiptrue 13204, 13217, 13230 \@rc@ifdefinable 2561, 2600 \@reffalse 15429 \@reftrue 15430, 15431, 15432, 15433, 15434, 15435, 15436, 15437 \@regtocline 637, 675, 692, 863, 893, 918, 1118, 1156, 1174, 5530, 5566, 5584, 5706, 5742, 5760, 13317, 13353, 13371, 13688, 13724, 13742 \@rememsize 16147, 16150 \@removefromreset 12737, 12739 \@reqcolroom .. 6514, 6515, 6516, 6517, 6577, 6622, 6623, 6624, 6625, 6626, 6627, 6741 \@resetactivechars 9938, 17844 \@resetdyn@emics .. 9926 \@resetst@tics ... 9925 \@restonecolfalse 94, 224, 586, 602, 850, 1101, 5513, 5689, 5898, 13282, 13536, 13993, 16401 \@restonecoltrue 94, 224, 588, 604, 852, 1103, 5515, 5691,	5900, 13284, 13538, 13995, 16403 \@resetname . 2174, 2230 \@revlabeltrue . 736, 987, 1236, 5639, 5815, 13422, 13561 \@rightcolumn . 12289, 12294, 12295, 12304, 12305, 12313, 12317, 12323, 12371, 12376, 12377, 12386, 12387, 12395, 12399, 12405 \@rightskip 12063, 13200, 13201, 13213, 13214, 13226, 13227, 13237, 13238, 13255, 17548 \@rjfieldfalse ... 17834 \@s@@size 16150 \@s@bidi@AfterClass 3095, 3104, 3116, 3125 \@s@bidi@AfterPackage 3140, 3148, 3159, 3167 \@sarray 16108 \@savemarbox 17828 \@secondoftwo . 2484, 2493, 2502, 2511, 2517, 2520, 2531, 2536, 2543, 2698, 2708, 2709, 2710, 2711, 2717, 2726, 2732, 2756, 2784, 2812, 2861, 2873, 2874, 2883, 3000, 3128, 3170 \@secpenalty 5, 206, 504, 521, 655, 673, 680, 881, 898, 916, 1136, 1154, 1162, 7376, 7390, 14548, 14582, 16335, 16466, 16521 \@sectiontitlecolour 2205, 2222
\@preamfourfmt 8298, 8304, 8307, 8310, 8390 \@preamninefmt 9033, 9039, 9042, 9045, 9125 \@preamsevenfmt 8739, 8745, 8748, 8751, 8831 \@preamsixfmt 8592, 8598, 8601, 8604, 8684 \@preamtenfmt 9180, 9186, 9189, 9192, 9272 \@preamthreelfmt 8155, 8161, 8164, 8167, 8243 \@preamtwofmt 8011, 8017, 8020, 8023, 8103 \@printcites 13192 \@pstrickserr 13148 \@ptsize 2139, 2140, 2141, 2142, 2149 \@publisher . 4937, 4990 \@publishers 14423, 14487, 14537, 14934, 14998, 15048, 15609, 15673, 15723 \@quote .. 2242, 6871, 6873, 7000, 7002 \@quotebox 13191 \@quotecolour 2204, 2221, 2331 \@r@m@size 16150 \@raggedtwoe@everyselectfont 13205, 13218, 13231, 13242		



\@seesize .. 16147, 16150	\@sixcolfootfmt ... 8569, 8597, 8615	\@subsectioncolour 2207, 2223
\@setcol 9932	\@sixcolfootnotetext 8550, 8562	\@subtitle 14413, 14483,
\@setcolbox . 9893, 9929	\@skip@bove 16141, 16143	14526, 14924,
\@setcopyright 108	\@spaces 16179, 16220, 16225	14994, 15037,
\@setfontsize . 3563,	\@spart 7420	15599, 15669, 15712
3572, 4773, 4783,	\@specialpagefalse 9895, 17855	\@tabacol 1911, 11989,
4784, 4785, 4786,	\@specialstyle 9896, 17855	16101, 17406, 17590
4787, 4788, 4789	\@stabarray 16103	\@tabarray . 376, 400,
\@setfipsbit 1999, 2002, 2005	\@stabular 16099	404, 1913, 11976,
\@setmarks 9786, 9788, 9801,	\@star@or@long 2556, 2570, 2594, 2605	11978, 17401,
9818, 9820, 9834	\@startdblcolumn .. 6454,	17408, 17592, 17619
\@setminipage . 3855,	6456, 6496, 6499,	\@tabclassiv 1913, 11990,
10307, 10515, 12264	9802, 9804, 9838,	16103, 17408, 17592
\@setpar 13823,	9839, 9922,	\@tabclassz 1434, 1912, 11990,
13866, 14343,	9924, 10544,	16102, 17407, 17591
14350, 14854,	10546, 10568,	\@tabcr 5445, 5455
14861, 15403,	10570, 12345,	\@tabminus 5443
15408, 15529, 15536	12348, 12424,	\@tabplus 5442
\@settab 5442	12427, 17664,	\@tabular 372, 1899, 17588
\@sevendcol@footgroupv@r 8703	17666, 17689, 17692	\@tabularcr 1913, 11994,
\@sevendcolLTRfootfmt .. 8726, 8747, 8775	\@startfield 5484	16103, 17408, 17592
\@sevendcolLTRfootnotetext 8698, 8719	\@startpbox .. 1406,	\@tagsextension ... 2449, 2452
\@sevendcolRTLfootfmt .. 8736, 8750, 8787	1407, 1472, 1473,	\@tarlinesep .. 16143,
\@sevendcolRTLfootnotetext 8699, 8729	1474, 6222, 6223,	16144, 16145,
\@sevendcolfootfmt .. 8716, 8744, 8762	6224, 11991,	16146, 16149, 16151
\@sevendcolfootnotetext 8697, 8709	11992, 11998,	\@temp@bibkey . 4310,
\@sharp 395, 1431, 1432,	16118, 16157, 17608	4329, 4348, 4376
1433, 1439, 1440,	\@startsection 23	\@temp@bibkeyx 4315,
1441, 11462, 11468,	\@starttoc .. 4740, 4748	4316, 4318, 4319,
12004, 16120,	\@stopfield 5449, 5464,	4320, 4321, 4334,
16156, 16162, 17611	5468, 5496, 17834	4335, 4337, 4338,
\@sixcol@footgroupv@r 8556	\@stopline . 5468, 17834	4339, 4340, 4353,
\@sixcollTRfootfmt .. 8579, 8600, 8628	\@strip 12436	4354, 4356, 4357,
\@sixcollTRfootnotetext 8551, 8572	\@subjclass 326	4358, 4359, 4385,
\@sixcolRTLfootfmt .. 8589, 8603, 8640	\@subject 14407, 14408,	4386, 4388,
\@sixcolRTLfootnotetext 8552, 8582	14486, 14520,	4389, 4390, 4391
	14521, 14918,	\@temp@last@bibkey 4309, 4310, 4316,
	14919, 14997,	4328, 4329, 4335,
	15031, 15032,	4347, 4348, 4354,
	15593, 15594,	4375, 4376, 4386
	15672, 15706, 15707	\@tempa 119, 122,
		129, 130, 131, 132,
		783, 785, 787,



791, 1034, 1036, 1038, 1042, 1283, 1285, 1287, 1291, 2365, 2366, 2369, 3553, 3554, 3556, 3558, 4254, 4255, 4257, 4259, 9736, 10618, 10619, 10620, 10621, 10658, 10661, 10662, 10668, 10679, 10680, 10686, 10691, 10692, 10694, 10697, 10734, 10735, 10736, 10737, 11211, 11215, 11218, 11230, 11249, 11253, 11256, 11268, 12038, 12039, 12041, 12042, 12740, 12741, 12742, 12745, 12752, 12758, 13469, 13471, 13473, 13477, 13610, 13612, 13614, 13618, 14198, 14199, 14241, 14242, 14342, 14645, 14648, 14853, 15212, 15215, 15402, 15528, 15844, 15847, 16228, 16230, 16235, 16237, 16953, 16970, 16974, 16975, 16976, 16985, 16999, 17175, 17178, 17184, 17188, 17202		10697, 12744, 12745, 12751, 12752, 12757, 12758 \@tempboxa 4105, 4149, 4193, 6537, 6561, 6570, 6629, 6673, 6714, 6725, 6734, 7083, 7084, 7085, 7086, 7088, 7137, 7138, 7139, 7140, 7142, 7936, 9747, 9751, 9759, 9760, 9873, 9874, 9875, 10296, 10320, 10358, 10403, 10410, 10420, 10423, 10427, 10429, 10435, 10469, 10471, 10477, 10490, 10494, 10495, 10680, 10697, 10826, 11007, 11009, 11569, 11570, 11644, 11649, 11653, 12021, 12022, 12025, 12190, 12193, 12197, 12199, 12205, 12207, 12208, 12237, 12238, 12242, 12927, 12928, 12931, 14709, 14723, 14727, 14729, 14752, 14753, 14755, 14756, 14758, 14763, 14768, 15276, 15290, 15294, 15296, 15319, 15320, 15322, 15323, 15325, 15330, 15335, 15908, 15922, 15926, 15928, 15951, 15952, 15954, 15955, 15957, 15962,	15967, 16202, 16222, 16914, 16917, 16922, 16926, 16930, 16934, 16938, 16942, 16946, 16950, 17572, 17573, 17630, 17631, 17632, 17633, 17713, 17757, 17879, 17886, 17887, 17904, 17905, 17909 \@tempc 10660, 10662, 10668, 11546, 11551 \@tempcnta 1397, 1456, 1457, 1458, 1460, 1461, 1987, 1993, 1995, 2008, 2009, 2015, 2016, 6209, 6211, 7058, 7115, 11583, 11585, 11588, 11611, 11612, 11616, 12833, 12835, 12839, 12842, 12844, 14446, 14448, 14702, 14721, 14957, 14959, 15269, 15288, 15632, 15634, 15901, 15920, 16215, 16761, 16762, 16763, 16782, 16783, 16784, 16786, 16788, 16870, 16871, 16872, 17788, 17790, 17793, 17795, 17797, 17819 \@tempcntb ... 2013, 2014, 2015, 14702, 14720, 15269, 15287, 15901, 15919 \@tempdima . 8, 10, 12, 14, 209, 211, 213, 215, 380, 381, 383, 506, 523, 528, 645, 658,
---	--	---	---



682,	687,	871,	11586,	11986,	16151,	16153,
872,	883,	888,	11996,	12001,	16216,	16275,
901,	1126,	1139,	12292,	12296,	16276,	16277,
1164,	1169,	1451,	12374,	12378,	16476,	16480,
1452,	1484,	1485,	12436,	12461,	16507,	16511,
1486,	2136,	2138,	12484,	12496,	16530,	16534,
4761,	4762,	5538,	12497,	12508,	16547,	16551,
5551,	5573,	5578,	12509,	13325,	16564,	16568,
5714,	5727,	5749,	13338,	13360,	16581,	16585,
5754,	6012,	6027,	13365,	13696,	16598,	16602,
6032,	6234,	6235,	13709,	13731,	16615,	16619,
6236,	6284,	6289,	13736,	13824,	16633,	16637,
6518,	6587,	6588,	13825,	13826,	16652,	16656,
6602,	6603,	6607,	13867,	13868,	16672,	16676,
6684,	6752,	6753,	13869,	13937,	16707,	16711,
6767,	6768,	6772,	13942,	14106,	16778,	16780,
6788,	6789,	7029,	14121,	14126,	16809,	16812,
7030,	7031,	7032,	14243,	14244,	16819,	16822,
7050,	7051,	7052,	14344,	14345,	16826,	16831,
7053,	7059,	7061,	14346,	14351,	16834,	16846,
7062,	7066,	7067,	14352,	14355,	16879,	16881,
7068,	7069,	7070,	14550,	14553,	16882,	16885,
7078,	7082,	7085,	14560,	14585,	16888,	16892,
7086,	7087,	7101,	14588,	14597,	16899,	16901,
7102,	7103,	7116,	14726,	14727,	16960,	16961,
7118,	7119,	7123,	14752,	14753,	16974,	16976,
7124,	7125,	7126,	14754,	14756,	16984,	16991,
7127,	7133,	7136,	14855,	14856,	17137,	17138,
7139,	7140,	7141,	14857,	14862,	17157,	17168,
7153,	7154,	7155,	14863,	14866,	17169,	17170,
7180,	7182,	7183,	15061,	15064,	17171,	17183,
7184,	7188,	7195,	15071,	15088,	17186,	17192,
7197,	7199,	7206,	15091,	15098,	17193,	17484,
7230,	7231,	7236,	15118,	15121,	17485,	17641,
7237,	7238,	7239,	15130,	15293,	17642,	17798,
7240,	7355,	7357,	15294,	15319,	17799,	17800,
7359,	7378,	7383,	15320,	15321,	17801,	17804,
7393,	9528,	9530,	15323,	15404,	17807,	17810,
9563,	9577,	9582,	15405,	15406,	17812,	17835,
9748,	9749,	9752,	15409,	15410,	17836	
9753,	10294,		15413,	15530,	\@tempdimb . . .	6203,
10298,	10677,		15531,	15532,	6520,	6523,
10679,	10684,		15537,	15538,	6524,	6525,
10686,	10687,		15541,	15736,	6529,	6530,
10689,	10702,		15739,	15746,	6532,	6533,
10707,	10712,		15766,	15769,	6534,	6535,
10716,	11561,		15778,	15925,	6686,	6689,
11567,	11568,		15926,	15951,	6690,	6692,
11574,	11575,		15952,	15953,	6697,	6701,
11580,	11581,		15955,	16148,	6707,	6711,
					6713,	
					7029,	7030,
					7050,	
					7051,	7102,
					7104,	



7107, 7154, 7156, 7159, 7186, 7188, 7201, 7202, 7203, 7204, 7206, 7233, 7236, 9741, 9742, 9743, 9744, 9746, 10678, 10679, 10685, 10686, 10688, 10689, 11581, 11582, 11584, 12436, 12461, 14353, 14354, 14355, 14864, 14865, 14866, 15411, 15412, 15413, 15539, 15540, 15541, 16148, 16151, 16153, 16779, 16785, 16787, 16792, 16794, 16797, 16801, 16805, 16813, 16815, 16816, 16829, 16835, 16837, 17140, 17141, 17143, 17145, 17148, 17149, 17151, 17154, 17168, 17169, 17170, 17174, 17187, 17191, 17192, 17487, 17488	\@tempxi 5379, 5380, 11320, 11332 \@tempxii 5382, 5383, 11351, 11363 \@tempy 1920, 1921 \@tempyi 1923, 1924 \@tempyii 1926, 1927 \@tencol@footgroupv@r 9144 \@tencolLTRfootfmt 9167, 9188, 9216 \@tencolLTRfootnotetext 9139, 9160 \@tencolRTLfootfmt 9177, 9191, 9228 \@tencolRTLfootnotetext 9140, 9170 \@tencolfootfmt 9157, 9185, 9203 \@tencolfootnotetext 9138, 9150 \@testopt 2572, 2590, 11983, 11984 \@testpach 347, 1368, 1413, 16241, 17620 \@texfileextension 2451, 2454 \@textbottom 9523, 14368, 14375, 14685, 14690, 14879, 14886, 15252, 15257, 15554, 15561, 15884, 15889 \@textsuperscript 449, 452, 737, 799, 801, 988, 1052, 1237, 1299, 1301, 1699, 1702, 4415, 4417, 5640, 5816, 5955, 5958, 7492, 7495, 7589, 7592, 9672, 9675, 12133, 13423, 13485, 13487, 13562, 13626, 13628, 13821,	13828, 13864, 13871, 14049, 14052 \@texttop 9519 \@tfor 1988, 9736 \@thanks 428, 436, 464, 472, 768, 774, 813, 819, 1019, 1025, 1064, 1070, 1268, 1274, 1313, 1319, 1704, 1710, 5671, 5677, 5847, 5853, 5934, 5942, 5970, 5978, 7473, 7479, 7507, 7513, 7568, 7576, 7604, 7612, 9653, 9659, 9687, 9693, 10322, 10336, 10339, 12126, 12149, 13454, 13460, 13499, 13505, 13593, 13601, 13640, 13648, 13842, 13850, 13883, 13891, 14028, 14036, 14064, 14072, 14426, 14470, 14479, 14937, 14981, 14990, 15612, 15656, 15665 \@thefnmark 43, 56, 71, 252, 265, 279, 449, 452, 737, 799, 801, 988, 1052, 1237, 1299, 1301, 1699, 1702, 1943, 1951, 1959, 4415, 4417, 4450, 4467, 4484, 4510, 4516, 4539, 4545, 4568, 4574, 5397, 5404, 5411, 5640, 5816, 5955, 5958, 7492, 7495, 7589, 7592, 7770, 7786, 7802, 7815, 7828, 7841, 7882, 7886, 7888, 7986, 7996,
\@tempdimc 6204, 14341, 14348, 14349, 14359, 14852, 14859, 14860, 14870, 15527, 15534, 15535, 15545 \@tempskipa . . . 5361, 5362, 5363, 5474, 5475, 5476 \@tempswafalse 3275, 3322, 7070, 7127, 10625, 17222, 17265 \@tempswatrue . 3274, 3319, 7064, 7121 \@temptokena 117, 121, 12819		



8006, 8032, 8045,	..... 345, 17428	14514, 14911,
8057, 8133, 8142,	\@threecol@footgroupv@r	14913, 14996,
8151, 8176, 8188,	..... 8122	15023, 15025,
8199, 8273, 8283,	\@threecolLTRfootfmt	15586, 15588,
8293, 8319, 8332,	... 8144, 8163, 8190	15671, 15698, 15700
8344, 8420, 8430,	\@threecolLTRfootnotetext	\@tocextra
8440, 8466, 8479,	..... 8117, 8137	.. 16427, 16428,
8491, 8567, 8577,	\@threecolRTLfootfmt	16432, 16434, 16437
8587, 8613, 8626,	.. 8153, 8166, 8201	\@tocline 2, 203
8638, 8714, 8724,	\@threecolRTLfootnotetext	\@tocpagenum 15, 216
8734, 8760, 8773,	..... 8118, 8146	\@tocrmarg
8785, 8861, 8871,	\@threecolfootfmt .	.. 12480, 12492,
8881, 8907, 8920,	.. 8135, 8160, 8178	12504, 16471,
8932, 9008, 9018,	\@threecolfootnotetext	16502, 16525,
9028, 9054, 9067,	..... 8116, 8128	16542, 16559,
9079, 9155, 9165,	\@title 322,	16576, 16593,
9175, 9201, 9214,	418, 439, 475,	16610, 16628,
9226, 9350, 9362,	489, 746, 748,	16647, 16667,
9374, 9400, 9414,	776, 821, 834,	16702, 16753,
9428, 9672, 9675,	997, 999, 1027,	16839, 16956, 17637
10169, 10174,	1072, 1085, 1246,	\@todonotes@MissingFigureDown
10178, 10183,	1248, 1276, 1321,	..... 17118
10200, 10216,	1335, 1346, 1713,	\@todonotes@MissingFigureText
10231, 10258,	2172, 2233, 4945,	..... 17095
10271, 10284,	5030, 5649, 5651,	\@todonotes@MissingFigureUp
10327, 10332,	5679, 5825, 5827,	..... 17117
10342, 10347,	5855, 5924, 5945,	\@todonotes@author
10580, 11054,	5981, 5995, 6981,	..... 17028,
11065, 11076,	7463, 7482, 7516,	17039, 17064, 17082
11087, 11222,	7528, 7558, 7579,	\@todonotes@currentfigcolor
11260, 11293,	7615, 7629, 9643,	..... 17099
11324, 11355,	9662, 9696, 9708,	\@todonotes@currentfigheight
11418, 13423,	12127, 13432,	..... 17100
13485, 13487,	13434, 13462,	\@todonotes@currentfigwidth
13562, 13626,	13507, 13520,	..... 17100,
13628, 13821,	13571, 13573,	17102, 17112, 17115
13828, 13864,	13603, 13650,	\@todonotes@drawInlineNote
13871, 14049, 14052	13666, 13677,	..... 17023
\@thefoot 9901,	13832, 13853,	\@todonotes@drawLineToLeftMargin
9904, 9908,	13894, 13908,	..... 17051, 17054
17858, 17861,	14018, 14039,	\@todonotes@drawLineToRightMargin
17864, 17867, 17893	14075, 14089,	..... 17051, 17054
\@thehead 9900,	14411, 14482,	\@todonotes@drawMarginNote
9903, 9907,	14524, 14922,	17050, 17053, 17057
17858, 17860,	14993, 15035,	\@todonotes@drawMarginNoteWithLine
17863, 17866, 17883	15597, 15668, 15710	..... 17045
\@themargin .. 9953,	\@titlecolour 2202, 2219	\@todonotes@ifdisabled
17859, 17861, 17878	\@titlehead .....	..... 17124
\@thm 12773, 12794	.. 14400, 14402,	\@todonotes@sizecommand
\@thmcountersep ...	14485, 14512,	..... 17028,



17030, 17037,	\@twocolLTRfootnotetext	953, 1197, 1486,
17039, 17041,	..... 7970, 7991	2076, 5612, 5765,
17064, 17066,	\@twocolRTLfootfmt	6040, 6236, 6478,
17078, 17081,	.. 8008, 8022, 8059	6553, 6718, 7011,
17082, 17084, 17087	\@twocolRTLfootnotetext	7447, 7745, 7758,
\@todonotes@text ..	..... 7971, 8001	9610, 9830, 10116,
.. 17028, 17030,	\@twocolfootfmt ...	10118, 10483,
17039, 17041,	.. 7988, 8016, 8034	10539, 11507,
17064, 17066,	\@twocolfootnotetext	12003, 12036,
17079, 17085, 17088	..... 7969, 7981	12084, 12331,
\@todonotes@textwidth	\@twocolumntrue .. 2051	12414, 12555,
..... 17062	\@twosidefalse ... 3538	12566, 12639,
\@toodeep 17434	\@twosidetrue 3533	13376, 13797,
\@topnum 107, 316, 461,	\@typeset@protect ..	13953, 14134,
810, 1061, 1310,	..... 1858,	14370, 14686,
5023, 5967, 7504,	1864, 1870, 1885	14881, 15253,
7601, 9684, 12146,	\@undeclaredcolor ..	15556, 15885,
13496, 13637,	..... 6249,	16113, 16153,
13880, 14061,	6257, 17215, 17216	17603, 17679, 17826
14467, 14978, 15653	\@undefined ... 1916,	\@x 5434, 5435
\@topsep ... 12787, 12807	2048, 11988, 12247	\@x@sf 4424, 4429, 4435,
\@topsepadd	\@undottedtocline 12477	4438, 11174, 11186
.. 1830, 12788, 12808	\@unexpandable@protect	\@xLTRfootnote
\@totalleftmargin ..	..... 2623, 3434	... 1907, 2030,
.. 10505, 10509,	\@unrecurse 16138, 16141	5268, 5279, 5492,
10512, 10521,	\@uppertitleback ..	5506, 10177, 10180
12062, 12790,	..... 14430,	\@xLTRfootnotenext
12791, 12810,	14488, 14941,	... 1906, 2029,
12811, 13254,	14999, 15616, 15674	5267, 5278, 5491,
13268, 17453,	\@viipt 3572, 4783	5505, 10326,
17455, 17461,	\@viipt 4783	10329, 11073, 16188
17463, 17467,	\@viper 6457,	\@xRTLfootnote
17469, 17473,	6459, 6461, 6500,	... 1909, 2032,
17475, 17477,	6502, 6504, 6516,	5270, 5281, 5494,
17514, 17516,	6580, 6626, 6744,	5508, 10168, 10171
17517, 17518,	6793, 12437,	\@xRTLfootnotenext
17523, 17525,	12452, 12454, 12459	.... 1908, 2031,
17526, 17527,	\@viperoutput 6463, 6506	5269, 5280, 5493,
17532, 17534,	\@vipt 4784	5507, 10341,
17535, 17536,	\@vpt 4784	10344, 11062, 16189
17541, 17543,	\@whilenum 11612	\@xaddress 323
17544, 17545, 17835	\@whilesw 6455,	\@xauthor 323
\@traditionalpoem ..	6497, 9803, 9839,	\@xcolor@ .. 17223, 17266
..... 5318, 5417	9923, 10545,	\@xcurraddr 324
\@trivlist	10569, 12346,	\@xemail 324
12784, 12804, 17446	12425, 17665, 17690	\@xfloat 1963
\@twocol@footgroupv@r	\@wholewidth	\@xfootnote .. 1905,
..... 7975	.. 9738, 9740, 9758	2028, 5266, 5277,
\@twocolLTRfootfmt	\@width 31, 241,	5490, 5504, 11416
.. 7998, 8019, 8047	385, 535, 718,	\@xfootnotemark .. 11084



\@xfootnotenext . . .	16136, 16137,	12259, 16410,
. . . 1904, 2027,	16293, 16322,	16417, 16434, 17095
5265, 5276, 5489,	17061, 17068,	\addfontfeature . . .
5503, 11051, 16187	17408, 17548,	. . . 2200, 2201,
\@xiipt 4786	17592, 17609, 17619	2202, 2203, 2204,
\@xipt 4785	\{ 1775	2205, 2207, 2208
\@xivpt 305, 4787	\} 1776, 17415	\addpenalty . 5, 206,
\@xmakefntext . . 800,	\] . . 184, 200, 5443, 9853	504, 521, 655,
1300, 13486, 13627	\^ 1613, 5218,	673, 680, 881,
\@xp 117, 310, 335, 336, 6158	5219, 5221, 5222	898, 916, 1136,
\@xpt 3563	\` 10503,	1154, 1162, 5548,
\@xthm 12792, 12812	12059, 13250, 13264	5564, 5571, 5724,
\@xtitle 322	\| . . 10382, 10383, 10498	5740, 5747, 6010,
\@xxpt 4788		6025, 7376, 7390,
\@xxxii 2014		7644, 9560, 9575,
\@xympar	_ 1552, 1654, 4317, 4321,	13335, 13351,
4111, 4115, 4155,	4336, 4340, 4355,	13358, 13706,
4159, 4199, 4203,	4359, 4387, 4391,	13722, 13729,
17719, 17723,	10375, 10377, 15498	13921, 13935,
17763, 17767, 17830		14104, 14119,
\@yargdef 2592	A	14548, 14582,
\@ympar 17827	\abovecaptionskip .	15059, 15086,
\@ythm 12792, 12812	. . . . . 11642,	15115, 15734,
\[. 5442, 9843	12186, 12236,	15763, 16335,
\ \ 118, 399,	14776, 14780,	16337, 16464,
744, 789, 995,	14795, 14803,	16466, 16499, 16521
1040, 1244, 1289,	15343, 15347,	\address 323, 2234
1913, 2280, 2286,	15362, 15370,	\addresscolour 2203,
2364, 3871, 3872,	15975, 15979,	6821, 6919, 6925,
3873, 3875, 4832,	15994, 16002, 17903	6931, 6937, 6943
5201, 5339, 5647,	\abovedisplayshortskip	\addressfont . . 2212,
5823, 6869, 6870,	. . 3565, 3574, 4775	2220, 2331, 6859,
6873, 6889, 6976,	\abovedisplayskip .	6887, 6951, 6985
6981, 6988, 6998,	. . . . . 3564,	\addresssymbol
7002, 7725, 7729,	3567, 3573, 3580,	. . 2194, 6889, 6988
7738, 10906,	3614, 4774, 4781	\addressstyle 2220
10909, 10922,	\abstractname . . 623,	\addtocontents . . . 16750
10925, 11025,	629, 632, 929,	\addtocounter 11608, 11609
11442, 11443,	935, 937, 1180,	\addtolength . . . 179,
11498, 11502,	1186, 1189, 5589,	2154, 2155, 2156,
11627, 11628,	5776, 13303,	2157, 2158, 2159,
11981, 12067,	13309, 13312,	2257, 2258, 2260,
12837, 12849,	13752, 13758, 13761	2262, 2263, 2266,
13195, 13196,	\active 5218,	3649, 3652, 3653,
13208, 13209,	5219, 5221, 5222	3656, 4798, 6967,
13221, 13222,	\add@strip 12461	6968, 6969, 7239,
13234, 13430,	\addcontentsline . .	10759, 10760,
13475, 13569,	. 548, 550, 2277,	11564, 11568,
13616, 15504,	3850, 7404, 7406,	11570, 11572,
16103, 16119,	11672, 11677,	11573, 11574,



11575,	11594,	\adl@arrayrule	1381, 1419	6788, 6789, 7019,
11596,	11597,	\adl@box	1404, 1406, 1407	7029, 7030, 7040,
11599,	11600,	\adl@class@iiiorvii		7050, 7051, 7067,
11602,	11603,	.....	1410, 1443	7068, 7069, 7086,
11604,	11614,	\adl@class@start	..	7095, 7102, 7124,
11615,	14345,	.....	1409, 1442	7125, 7126, 7140,
14348,	14349,	\adl@CT@setup	.....	7147, 7154, 7183,
14352,	14354,	...	1446, 1449, 1450	7184, 7197, 7199,
14753,	14754,	\adl@depth	.....	7202, 7203, 7204,
14856,	14859,	\adl@endarray	....	7383, 7435, 7705,
14860,	14863,	\adl@endmbox	....	7962, 7964, 9582,
14865,	15320,	\adl@everyvbox	1362, 1363	9623, 9738, 9740,
15321,	15405,	\adl@extract@arc	..	9742, 9748, 9749,
15410,	15412,	\adl@extract@dgc	..	9756, 9757, 9758,
15531,	15534,	\adl@extract@drsc	1459	9916, 9917, 10378,
15535,	15538,	\adl@height	.....	10392, 10405,
15540,	15952,	\adl@inactivate	...	10406, 10438,
15953, 16354, 16355		.....	1364, 1446	10443, 10444,
\addvspace	5, 206, 505,	\adl@LT@array	....	10447, 10456,
522, 656, 674,		\adl@noalign	.....	10520, 11582,
681, 882, 899,		\adl@org@activate	1447	11585, 11586,
917, 1137, 1155,		\adl@org@classz	..	11616, 11996,
1163, 2084, 4826,		\adl@org@endpbox	..	12008, 12284,
4883, 5549, 5565,		\adl@org@inactivate	1446	12286, 12313,
5725, 5741, 6011,		\adl@putlrc	1401, 1402,	12314, 12317,
7377, 7391, 7645,		1403, 1431, 1432,		12366, 12368,
9561, 13336,		1433, 1439, 1440, 1441		12395, 12396,
13352, 13707,		\adl@startmbox	...	12399, 12450,
13723, 13922,		\advance	.....	12451, 12452,
14105, 14549,		86, 213, 295,		12453, 12462,
14584, 15060,		313, 381, 528,		12484, 12497,
15087, 15735,		571, 687, 705,		12509, 12522,
16468, 16522, 16773		872, 888, 967,		12785, 12789,
\adjmc@inner	.....	1169, 1216, 1451,		12790, 12805,
\adjmc@outer	.....	1485, 1672, 1677,		12809, 12810,
\adjmc@page@sofar@orig		1995, 2009, 2015,		12844, 12866,
.....	160	2094, 2349, 3446,		12894, 12901,
\adjmult@cols	.....	4059, 4762, 4837,		12943, 12948,
\adjmulticols	.....	5188, 5196, 5197,		12949, 12950,
\adl@act@classz	..	5362, 5475, 5578,		12979, 12980,
\adl@act@CT@setup	..	5599, 5754, 5786,		13006, 13017,
.....	1447, 1454	6032, 6094, 6235,		13157, 13159,
\adl@activate	1364, 1447	6243, 6244, 6284,		13164, 13167,
\adl@cargarraydashrule		6396, 6516, 6517,		13188, 13365,
.....	1383, 1421	6526, 6587, 6588,		13391, 13736,
\adl@array	..	6603, 6623, 6626,		13784, 13825,
\adl@arraydashrule		6627, 6636, 6638,		13868, 13942,
.....	1382, 1420	6644, 6645, 6648,		13977, 14126,
\adl@arrayinit	...	6651, 6654, 6697,		14179, 14244,
\adl@arrayrestore	1358	6752, 6753, 6768,		14560, 14593,



14597,	14642,	6262, 6281, 9942,	\AM@CheckAtEnd ... 12857
15071,	15098,	9944, 13062,	\AM@ClearShipoutPicture
15126,	15130,	13063, 13066,	..... 12859
15209,	15502,	13070, 13071,	\AM@currentdocname
15746,	15774,	13075, 13079,	..... 12822, 12828
15778,	15841,	13080, 13084,	\AM@findfile 12826
16064,	16137,	13088, 13092,	\AM@output 12855
16151,	16161,	13096, 16328,	\AM@pagecount 12824
16181,	16276,	16764, 17204,	\AM@pageref 12839, 12842
16294,	16310,	17213, 17215,	\AM@pagetemp
16323,	16327,	17252, 17256,	.. 12832, 12837,
16359,	16360,	17309, 17320,	12838, 12841,
16379,	16480,	17321, 17324,	12849, 12850, 12854
16511,	16534,	17328, 17329,	\AM@readlist 12854
16551,	16568,	17333, 17337,	\AM@split@options 12818
16585,	16602,	17338, 17342,	\AM@temp ... 12819, 12820
16619,	16637,	17346, 17350,	\AM@threadname
16656,	16676,	17354, 17503,	12817, 12827, 12828
16711,	16752,	17842, 17850, 17851	\AM@xrprefix
16762,	16782,	\AlFnt 181	12835, 12839, 12842
16787,	16837,	\ALG@floatstyle ...	\and ... 443, 479, 755,
16838,	16839,	.. 4074, 4075, 4076	781, 784, 826,
16842,	16846,	\algocf@algobox ... 173	1006, 1032, 1035,
16871,	16882,	\algocf@algoframe .	1077, 1255, 1281,
16961,	16984,	.. 167, 168, 169, 170	1284, 1326, 1348,
17138,	17140,	\algocf@endline ... 184	1717, 5658, 5684,
17150,	17169,	\algocf@float 17964	5834, 5860, 5949,
17170,	17199,	\algocf@makethealgo 194	5985, 7486, 7520,
17210,	17211,	\algocf@within	7583, 7619, 9666,
17436,	17449,	..... 162, 164,	9700, 12124,
17450,	17453,	17966, 17967, 17968	12821, 13441,
17455,	17461,	\algomargin ... 176, 179	13467, 13470,
17463,	17467,	\algowidth . 174, 176, 197	13512, 13580,
17469,	17473,	\alignL 6189	13608, 13611,
17475,	17575,	\alignR 6193	13655, 13679,
17576,	17642,	\allowbreak	13857, 13898,
17799,	17800,	... 7025, 7046,	14043, 14079,
17807,	17808,	8018, 8021, 8024,	14501, 15012, 15687
17809, 17810, 17835		8105, 8162, 8165,	\andify 112
\afterassignment ..		8168, 8245, 8305,	\andname .. 789, 1040,
... 1554, 1556,		8308, 8311, 8392,	1289, 13475, 13616
1656, 1658, 2624,		8452, 8455, 8458,	\andnext 12125
4289, 16211, 16212		8539, 8599, 8602,	\arabic 19, 20,
\aftergroup ... 1812,		8605, 8686, 8746,	21, 22, 83, 220,
1822, 3104, 3106,		8749, 8752, 8833,	221, 222, 223,
3116, 3118, 3128,		8893, 8896, 8899,	292, 331, 9879,
3130, 3148, 3150,		8980, 9040, 9043,	9885, 16692, 17964
3159, 3161, 3170,		9046, 9127, 9187,	\array 402, 17617
3172, 4273, 4288,		9190, 9193, 9274	\arraycolsep 402
6247, 6249, 6256,		\Alph 12168	\arraylinesep 16144



<code>\arrayrulecolor</code> .. 1458	<code>\autodot</code> 14610,	7838, 7982, 7992,
<code>\arrayrulewidth</code> .. 16161	15145, 15793, 16974	8002, 8028, 8040,
<code>\arraystretch</code>	<code>\autofootnoterule</code> .	8053, 8080, 8093,
..... 383, 384,	1575, 7005, 7752,	8129, 8138, 8147,
1806, 1817, 12001,	10141, 10576, 17921	8172, 8183, 8195,
12002, 16111,		8221, 8233, 8269,
16112, 16148,	B	8279, 8289, 8315,
17423, 17601, 17602	<code>\backmatter</code>	8327, 8340, 8367,
<code>\aslice</code> . 12986, 12987,	.. 5133, 6080, 7691	8380, 8416, 8426,
12989, 12991,	<code>\baselineskip</code> .. 397,	8436, 8462, 8474,
12992, 12994,	717, 719, 723, 725,	8487, 8514, 8527,
13007, 13008, 13010	1196, 1198, 1202,	8563, 8573, 8583,
<code>\At@ViperColsBreak</code>	1204, 3591, 3593,	8609, 8621, 8634,
.. 6665, 6675, 6679	3596, 3598, 3600,	8661, 8674, 8710,
<code>\AtBeginDocument</code> ..	3603, 3752, 4382,	8720, 8730, 8756,
..... 1545,	4448, 4465, 4482,	8768, 8781, 8808,
2169, 2229, 2326,	4599, 4608, 4617,	8821, 8857, 8867,
2911, 3499, 3658,	4698, 4705, 4712,	8877, 8903, 8915,
3879, 4013, 4018,	4719, 4726, 4826,	8928, 8955, 8968,
4071, 4879, 5079,	4883, 5226, 5287,	9004, 9014, 9024,
5144, 6898, 7012,	5351, 5357, 5611,	9050, 9062, 9075,
7033, 7054, 7343,	5613, 5617, 5619,	9102, 9115, 9151,
10238, 11023,	5764, 5766, 5770,	9161, 9171, 9197,
11681, 11687,	5772, 6397, 6398,	9209, 9222, 9249,
11764, 16126, 16911	6415, 6419, 6589,	9262, 9346, 9358,
<code>\AtBeginPackage</code> . 12229	6754, 9340, 9451,	9370, 9396, 9410,
<code>\AtEndDocument</code>	9950, 10393,	9424, 9458, 9472
... 2333, 2924,	11561, 11580,	<code>\BCmd</code> 1811
3351, 5371, 5427	11588, 12017,	<code>\BDefaboveskip</code>
<code>\AtEndOfClass</code> 2168	12027, 12065,	... 1826, 1841, 1844
<code>\AtPageLowerLeft</code> . 7173	12082, 12941,	<code>\BDefbelowskip</code>
<code>\AtPageUpperLeft</code> ..	12944, 12958,	... 1830, 1842, 1845
.. 7173, 7187, 7205	12982, 12986,	<code>\BDefinlineskip</code> ...
<code>\AtTextUpperLeft</code> ..	12991, 12995,	... 1835, 1843, 1846
..... 7177, 7193	13007, 13018,	<code>\begin</code> 167,
<code>\author</code> 323,	13045, 13257,	169, 173, 407,
441, 477, 779,	13271, 13375,	417, 422, 485,
824, 1030, 1075,	13377, 13381,	493, 729, 742,
1279, 1324, 1715,	13383, 13796,	753, 832, 838,
4929, 4961, 5682,	13798, 13802,	980, 993, 1004,
5858, 5947, 5983,	13804, 15496,	1083, 1089, 1229,
7484, 7518, 7581,	15499, 15501,	1242, 1253, 1333,
7617, 9664, 9698,	15506, 16122,	1339, 1348, 1350,
13465, 13510,	16162, 17138,	1351, 1805, 1807,
13606, 13653,	17146, 17150,	1816, 1818, 1821,
13855, 13896,	17613, 17875, 17890	2284, 2288, 2290,
14041, 14077,	<code>\baselinestretch</code> ..	2292, 2294, 2298,
14491, 15002, 15677	2184, 4445, 4462,	2306, 2309, 2343,
<code>\auto@footnoterule</code>	4479, 7764, 7780,	2388, 2392, 2412,
..... 10132, 10143	7796, 7812, 7825,	2416, 2443, 2944,



2950, 2972, 2976,	14940,	14944,	9936,	10172,
3208, 3664, 3665,	15024,	15030,	10181,	10330,
3678, 3681, 3749,	15041,	15201,	10345,	10352,
3750, 3756, 3757,	15567,	15587,	10404,	10437,
3764, 3765, 3790,	15592,	15602,	10543,	10567,
3791, 3828, 3831,	15615,	15619,	10607,	10623,
3834, 3837, 3841,	15699,	15705,	10773,	11052,
3842, 4026, 4027,	15716,	15833,	11063,	11074,
4642, 4698, 4705,	16373,	17025,	11085,	11200,
4712, 4719, 4726,	17032,	17035,	11220,	11258,
4739, 4747, 4869,	17046,	17059,	11291,	11322,
4874, 5007, 5054,	17062,	17069,	11353,	11439,
5077, 5459, 5632,	17075,	17098,	11457,	11472,
5645, 5656, 5808,	17102, 17108, 17115		11529,	11675,
5821, 5832, 5876,	\begin@bidi@stack .		12005,	12131,
5888, 5913, 5923,	..... 2382,		12261,	12343,
5928, 5991, 5999,	2392, 2393,		12422,	12622,
6300, 6310, 6323,	2406, 2416, 2417		12626,	12630,
6333, 6346, 6356,	\begin@group 6,		12815,	12863,
6369, 6379, 6873,	115, 207, 304,		13139,	13337,
6979, 6984, 7002,	317, 374, 386,		13361,	13482,
7262, 7328, 7454,	447, 507, 524,		13623,	13708,
7462, 7467, 7526,	657, 683, 796,		13732,	13861,
7532, 7547, 7557,	884, 900, 1047,		13923,	13938,
7562, 7625, 7633,	1138, 1165, 1296,		14047,	14107,
7724, 9634, 9642,	1477, 1697, 1941,		14122,	14455,
9647, 9706, 9712,	1949, 1957, 2057,		14556,	14591,
9846, 10774,	2364, 2383, 2407,		14633,	14725,
10779, 10797,	2539, 2558, 2690,		14966,	15067,
10900, 10902,	2736, 2743, 2773,		15094,	15124,
10916, 10918,	2789, 2805, 2845,		15200,	15292,
11497, 12273,	2853, 2886, 2909,		15641,	15742,
13415, 13428,	2998, 3022, 3037,		15772,	15832,
13439, 13518,	3103, 3114, 3126,		15924,	16210,
13524, 13552,	3147, 3157, 3168,		16307,	16331,
13567, 13578,	3318, 3432, 3444,		16469,	16760,
13662, 13670,	3479, 3852, 4271,		16877,	17217,
13679, 13681,	4514, 4543, 4572,		17260,	17309,
13682, 13811,	4946, 4963, 4979,		17399,	17503,
13831, 13836,	4991, 5024, 5328,		17664, 17687, 17842	
13912, 14007,	5395, 5402, 5409,	\beginL .. 1462, 2331,		
14017, 14022,	5439, 5550, 5574,	4133, 4177, 6212,		
14085, 14093,	5726, 5750, 5953,	6241, 6247, 6249,		
14381, 14401,	6013, 6028, 6116,	6281, 7991, 8043,		
14406, 14416,	6227, 6281, 6290,	8137, 8186, 8278,		
14429, 14433,	6454, 6494, 7178,	8330, 8425, 8477,		
14513, 14519,	7194, 7379, 7392,	8572, 8624, 8719,		
14530, 14634,	7490, 7587, 7646,	8771, 8866, 8918,		
14892, 14912,	9562, 9578, 9670,	9013, 9065, 9160,		
14917, 14927,	9802, 9836, 9920,	9212, 9353, 9365,		



9403, 9417, 9751, 9763, 9765, 9766, 9767, 9768, 9770, 9771, 9772, 9850, 9865, 10017, 10582, 10588, 10608, 10624, 10634, 11032, 11036, 11040, 11042, 11183, 11424, 11426, 11429, 11436, 11444, 11645, 12864, 13056, 13062, 13077, 13139, 14291, 14302, 14309, 14319, 16278, 17208, 17213, 17215, 17309, 17314, 17320, 17335, 17741, 17819, 17883, 17893	16163, 16285, 17209, 17213, 17252, 17256, 17309, 17314, 17321, 17326, 17558, 17561, 17564, 17581, 17589, 17615, 17785, 17819, 17836, 17838, 17883, 17893, 17906, 17909, 17917 \belowcaptionskip 11655, 12227, 12244, 14774, 14782, 14793, 14805, 15341, 15349, 15360, 15372, 15973, 15981, 15992, 16004, 17911 \belowdisplayshortskip .. 3566, 3575, 4776 \belowdisplayskip 3567, 3580, 3615, 4781 \bf 12927, 12929 \bfseries 25, 305, 511, 527, 556, 559, 662, 686, 887, 905, 1143, 1168, 1761, 2301, 5006, 5555, 5577, 5731, 5753, 5877, 5889, 6017, 6031, 6063, 6069, 6077, 7382, 7397, 7412, 7415, 7424, 7650, 7673, 7679, 7688, 9567, 9581, 9592, 9597, 9605, 13342, 13364, 13713, 13735, 13908, 13927, 13941, 14111, 14125, 14156, 14161, 14169 \bgroup 175, 176, 374, 389, 394, 399, 631, 1188, 1463, 1558, 1660,	1900, 2023, 5260, 5485, 5499, 6149, 6213, 9850, 9851, 9865, 10296, 10457, 12009, 12011, 12030, 12049, 12437, 12875, 13064, 13069, 13073, 13078, 13082, 13087, 13090, 13095, 13311, 13760, 16100, 16109, 16117, 16123, 16155, 16159, 16163, 16869, 17322, 17327, 17331, 17336, 17340, 17345, 17348, 17353, 17399, 17405, 17589, 17599, 17607, 17615 \bib@after@hook 14677, 14679, 15244, 15246, 15876, 15878 \bib@before@hook 14628, 14678, 15195, 15245, 15827, 15877 \bib@beginhook 14621, 14627, 15188, 15194, 15820, 15826 \bib@endhook 14681, 15248, 15880 \bib@heading 14623, 15193, 15825 \bibcleanup 12732 \bibentry 4319, 4321, 4338, 4340, 4357, 4359, 4389, 4391 \bibfont 12712 \bibindent .. 2335, 2336 \bibitem@fin 12726 \bibliofont 82, 291 \bibliographyitemlabel 2337, 2343 \bibname 4862, 4863, 5593, 5594,
--	--	--



5780, 5781, 6088, 6089, 7699, 7700, 9617, 9618, 13385, 13386, 13778, 13779, 13971, 13972, 14173, 14174	\bibpostamble 12727	\bibpreamble 12711, 14624, 14625, 15190, 15191, 15822, 15823	\bibsection .. 4857, 4860, 4862, 4863, 12271, 12709, 16370, 16372	\bidi@@end .. 2935, 2939	\bidi@loadwithoptions 3017, 3024, 3027, 3031	\bidi@onefilewithoptions .. 3039, 3042, 3045	\bidi@patchcmd 2738, 2740	\bidi@addto@envbody .. 2378, 2396, 2398	\bidi@addto@long@envbody .. 2402, 2420, 2422	\bidi@AfterAtEndOfClass 3106, 3111	\bidi@AfterAtEndOfPackage 3150, 3154	\bidi@AfterClass . 3094	\bidi@AfterEndDocument .. 2926, 2931, 2937	\bidi@afterenddocumenthook 2926, 2927, 2932, 2938	\bidi@AfterEndEnvironment 2981, 2991	\bidi@AfterEndPreamble 2914, 2918, 2920, 2924, 3503, 5020, 5043	\bidi@afterendpreamblehook 2914, 2915, 2919, 2921	\bidi@AfterFile 3091, 14785, 15352, 15984	\bidi@AfterPackage 3139	5780, 5781, 6088, 6089, 7699, 7700, 9617, 9618, 13385, 13386, 13778, 13779, 13971, 13972, 14173, 14174	\bidi@AfterPreamble 2911, 2912	\bidi@AfterReadingMainAux 3421, 3424	\bidi@append . 2847, 2897	\bidi@appto .. 2626, 2670, 2917, 3461	\bidi@apptocmd 2843, 2844	\bidi@AtBeginEnvironment 2941, 2951	\bidi@AtEndEnvironment 2955, 2965	\bidi@AtEndPreamble 2900, 2905, 2907, 2912, 3501, 4303	\bidi@autofooterulefalse .. 10120, 10124, 10127	\bidi@autofooteruletrue 10142	\bidi@BeforeBeginEnvironment 2969, 2977	\bidi@BeforeClass 3092	\bidi@BeforeClosingMainAux 3384, 3395, 3399, 3402, 3410, 3413	\bidi@BeforeFile . 3090	\bidi@BeforePackage 3137	\bidi@collect@@body 2384, 2391	\bidi@collect@body 2379	\bidi@collect@long@@body 2408, 2415	\bidi@collect@long@body 2403	\bidi@csappto 2670	\bidi@csdefcs 2545	\bidi@cseappto 2671, 2674	\bidi@csepreto 2680, 2683	\bidi@csgappto 2672, 2942, 2956, 2970, 2982	\bidi@csgpreto ... 2681	\bidi@cslet 2551	\bidi@csletcs 2548	\bidi@cspreto 2679	\bidi@csuse 2613, 2946, 2960, 2973, 2986	\bidi@csxappto 2673, 2675	\bidi@csxpreto 2682, 2684	\bidi@dbg@fail 2698, 2708, 2709, 2710, 2711, 2717, 2726, 2732, 2839, 2861, 2873, 2874, 2883	\bidi@dbg@info 2699, 2701, 2704, 2706, 2707, 2718, 2720, 2722, 2724, 2725, 2727, 2729, 2731, 2837, 2862, 2864, 2866, 2869, 2875, 2877	\bidi@dbg@init 2696, 2715, 2836, 2859	\bidi@dbg@succ 2742, 2838, 2870, 2878, 2880	\bidi@dbg@trce 2689, 2735, 2835, 2844, 2852	\bidi@eappto 2630, 2643, 2671	\bidi@endpreamblehook 2900, 2901, 2906, 2908	\bidi@ensure@new@command 2556, 2557	\bidi@ensure@newcommand ... 2556, 7759, 7760, 7854, 7862, 7863, 7864, 7871, 7872, 7878, 7879, 7894, 7895, 7901, 7902, 7903, 7904, 7907, 7913, 7915, 7921, 7922, 7937, 7948, 7950, 7953, 7958, 7961, 7963, 7967, 7981, 7991, 8001, 8011, 8016, 8019, 8022, 8025, 8037, 8050, 8062, 8077, 8089, 8101, 8106, 8110, 8114,
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8128, 8137, 8146, 8155, 8160, 8163, 8166, 8169, 8180, 8192, 8203, 8218, 8229, 8241, 8246, 8250, 8254, 8268, 8278, 8288, 8298, 8303, 8306, 8309, 8312, 8324, 8337, 8349, 8364, 8376, 8388, 8393, 8397, 8401, 8415, 8425, 8435, 8445, 8450, 8453, 8456, 8459, 8471, 8484, 8496, 8511, 8523, 8535, 8540, 8544, 8548, 8562, 8572, 8582, 8592, 8597, 8600, 8603, 8606, 8618, 8631, 8643, 8658, 8670, 8682, 8687, 8691, 8695, 8709, 8719, 8729, 8739, 8744, 8747, 8750, 8753, 8765, 8778, 8790, 8805, 8817, 8829, 8834, 8838, 8842, 8856, 8866, 8876, 8886, 8891, 8894, 8897, 8900, 8912, 8925, 8937, 8952, 8964, 8976, 8981, 8985, 8989, 9003, 9013, 9023, 9033, 9038, 9041, 9044, 9047, 9059, 9072, 9084, 9099, 9111, 9123, 9128, 9132, 9136, 9150, 9160, 9170, 9180, 9185, 9188, 9191, 9194, 9206, 9219, 9231, 9246, 9258, 9270, 9275, 9279, 9283, 9291, 9298, 9302, 9313, 9322, 9324, 9325, 9344, 9356, 9368, 9380, 9384, 9388, 9392,	9406, 9420, 9434, 9455, 9468, 9482, 9488, 9495, 9502, 9510, 9514, 9525, 9526, 9537, 9555 \bidi@ensure@newlength ... 2563, 7875, 7876, 7877, 7905 \bidi@epreto 2652, 2665, 2680 \bidi@error . 2565, 2598 \bidi@everyjob . 1521, 1522, 1638, 1639 \bidi@excludedpackages 3178, 3179, 3199, 3235, 3252, 3260, 3270, 3292, 3293, 3301, 3302, 3307, 3320 \bidi@expandonce 2618, 2629, 2633, 2637, 2641, 2651, 2655, 2659, 2663, 2881 \bidi@ff@box . 9968, 9986 \bidi@footdir@footnote 76, 285, 10240, 10242, 10246 \bidi@gappto 2634, 2672, 2900, 2914, 2926 \bidi@gobbleopt 3341, 3350 \bidi@gpreto . 2656, 2681 \bidi@hook@acma 3365, 3409, 3422, 3423, 3428 \bidi@hook@bcma 3359, 3408, 3411, 3412, 3418 \bidi@hooktocmd 2847, 2855, 2857 \bidi@hooktocmd@i 2871, 2885 \bidi@ifblank@i 2517, 2518, 2520 \bidi@ifdefmacro 2523, 2525, 2526, 2527	\bidi@ifdefparam 2817, 2819, 2820, 2821 \bidi@ifdefprotected 2826, 2828, 2829, 2830 \bidi@ifhashcheck . .. 2703, 2788, 2868 \bidi@ifhashcheck@i 2792, 2794 \bidi@ifhashcheck@ii 2796, 2799, 2800, 2801 \bidi@ifpatchable . .. 2692, 2694, 2741 \bidi@ifpatchable@i 2692, 2713 \bidi@ifpattern 2705, 2804 \bidi@ifscanable 2702, 2723, 2772, 2867 \bidi@info 2567 \bidi@isloaded 2764, 11696, 11697, 11698, 11699, 11700, 11701, 11702, 11703, 11704, 11705, 11706, 11707, 11708, 11709, 11710, 11711, 11712, 11713, 11714, 11715, 11716, 11717, 11718, 11719, 11720, 11721, 11722, 11723, 11724, 11725, 11726, 11727, 11728, 11729, 11730, 11731, 11732, 11733, 11734, 11735, 11736, 11737, 11738, 11739, 11740, 11741, 11742, 11743, 11744, 11745, 11746, 11747,
--	--	---



11748,	11749,	11645,	11647,	2665, 2666, 2670,
11750,	11751,	11665,	11669, 11676	2671, 2672, 2673,
11752,	11753,	\bidi@matrix@check		2674, 2675, 2679,
11754,	11755,	..... 2435, 17417		2680, 2681, 2682,
11756,	11757,	\bidi@matrix@error		2683, 2684, 2688,
11758,	11759,	..... 2437, 2441		2734, 2833, 2843,
11760,	11761,	\bidi@mpfootnoterule		2851, 2900, 2911,
11762,	11763,	..... 10024,		2914, 2926, 2941,
11766,	11769,	10251, 10264,		2955, 2969, 2981
11772,	11775,	10277, 10314, 12104	\bidi@notblank	2519,
11778,	11781,	\bidi@multicol@align@columns	2527, 2821, 2830	
11784,	11788,	..... 12537,	\bidi@o@everypar	..
11791,	11794,	12587, 12590, 12592	..... 13057,	
11797,	11800,	\bidi@n@everypar	.. 13059, 13060,	
11803,	11806,	.. 13058, 13059,	17315, 17317, 17318	
11809,	11812,	13060, 13061,	\bidi@onefilewithoptions	
11815,	11818,	17131, 17316,	.. 3034, 3035, 3039	
11821,	11824,	17317, 17318, 17319	\bidi@orig@leftline	
11827,	11830,	\bidi@namelongdef	17566, 17568, 17569	
11833,	11836,	..... 2554,	\bidi@orig@raggedleft	
11839,	11842,	8069, 8071, 8078,	17551, 17553, 17554	
11845,	11848,	8090, 8210, 8212,	\bidi@orig@raggedright	
11851,	11854,	8219, 8230, 8242,	17552, 17553, 17554	
11857,	11860,	8356, 8358, 8365,	\bidi@orig@rightline	
11863,	11866,	8377, 8503, 8505,	17567, 17568, 17569	
11869,	11872,	8512, 8524, 8650,	\bidi@p@ftn	.....
11875,	11878,	8652, 8659, 8671,	1854, 1917, 1920,	
11881,	11884,	8797, 8799, 8806,	1921, 1923, 1924,	
11887,	11890,	8818, 8944, 8946,	1926, 1927, 1931,	
11893,	11896,	8953, 8965, 9091,	1934, 1937, 2042	
11899,	11902,	9093, 9100, 9112,	\bidi@p@ftntext	...
11905,	11908,	9238, 9240, 9247,	... 1901, 1919, 2024	
11911, 11914, 11917,		9259, 9441, 9443,	\bidi@p@LTRftntext	
11920,	11923,	9456, 9469, 9483	.. 1902, 1922, 2025	
11926,	11929,	\bidi@new@command	\bidi@p@RTLftntext	
11932,	11935,	..... 2570,	.. 1903, 1925, 2026	
11938,	11941,	2572, 2601, 2609	\bidi@p@xfootnote	..
11944,	11947,	\bidi@new@ifnch	.. 1905, 1940, 2028	
11950,	11953,	..... 2429, 2431	\bidi@p@xftntext	..
11956, 11959, 11962		\bidi@new@ifnextchar	..... 1904,	
\bidi@load@hook	3010,	..... 2426, 17422	1930, 1945, 2027	
3013, 3046, 3083		\bidi@newcommand	\bidi@p@xLTRfootnote	
\bidi@loadwithoptions		..... 2572, 2574	.. 1907, 1948, 2030	
.. 3018, 3019, 3024		\bidi@newrobustcmd	\bidi@p@xLTRftntext	
\bidi@lrbox	..... 17499	..... 1553,	..... 1906,	
\bidi@lst@caption@direction		1555, 2569, 2570,	1933, 1953, 2029	
..... 11628,		2594, 2605, 2626,	\bidi@p@xRTLfootnote	
11629, 11633, 11636		2630, 2634, 2638,	.. 1909, 1956, 2032	
\bidi@lst@ensure@caption@direction		2643, 2644, 2648,	\bidi@p@xRTLftntext	
... 11631, 11643,		2652, 2656, 2660,	..... 1908,	



1936, 1961, 2031	\bidi@protected ...	12699, 12702,
\bidi@patch@@AfterPackage	2621, 2643, 2644,	12704, 12706, 17555
..... 3473, 3478	2665, 2666, 2674,	\bidi@redefine@newpage
\bidi@patch@Add ...	2675, 2683, 2684	..... 3375, 3415
..... 3460, 3489	\bidi@protected@csxappto	\bidi@reflect@box .
\bidi@patch@AfterPackage	..... 2674	.. 13120, 13127,
... 3463, 3467,	\bidi@protected@cssepreto	17382, 17389, 17391
3470, 4415, 4417,	..... 2683	\bidi@renew@command
4420, 4441, 4589,	\bidi@protected@csxappto	.. 2594, 2596, 2610
4639, 4695, 4939	..... 2675	\bidi@renewrobustcmd
\bidi@patch@counter	\bidi@protected@csxpreto	..... 2594
3441, 3445, 3448,	..... 2684	\bidi@ReplaceClass 3065
3454, 3455, 3474	\bidi@protected@eappto	\bidi@replacefile@msg
\bidi@patch@gttemp .	..... 2643	..... 3002,
..... 3481, 3488	\bidi@protected@epreto	3026, 3041, 3079
\bidi@patch@list ..	..... 2665	\bidi@ReplaceInput 3049
... 3459, 3461,	\bidi@protected@immediate@write	\bidi@ReplacePackage
3499, 3501, 3508	.. 3414, 3425, 3431	..... 3062
\bidi@patch@OrgIfClassLater	\bidi@protected@xappto	\bidi@RequirePackage
..... 3507, 3512	..... 2644	.. 3201, 3261, 3312
\bidi@patch@OrgIfClassLoaded	\bidi@protected@xpreto	\bidi@ResetPreventPackageFromLoading
..... 3506, 3511	..... 2666	..... 3253,
\bidi@patch@OrgIfPackageLater	\bidi@provide@command	3259, 3268, 3307
..... 3505, 3510	Loaded 2605, 2607	\bidi@resrvda . 2744,
\bidi@patch@OrgIfPackageLoaded	\bidi@providerobustcmd	2745, 2746, 2749,
..... 3504, 3509	..... 2605	2750, 2751, 2752,
\bidi@patch@stepcounter	\bidi@push@begins .	2753, 2754, 2759,
.. 3443, 3453, 3472	.. 2388, 2389, 2392	2762, 2774, 2775,
\bidi@patch@temp ..	\bidi@push@long@begins	2776, 2777, 2778,
..... 3471, 3475	... 2412, 2413, 2416	2780, 2781, 2790,
\bidi@patch@try ...	\bidi@raggedleft ..	2792, 2806, 2807,
..... 3490, 3493	..... 2278,	2809, 2811, 2812,
\bidi@patchcmd	2285, 2290, 2309,	2887, 2888, 2889,
... 2734, 2735,	6869, 6985, 9767,	2890, 2891, 2892,
2929, 2944, 2958,	9772, 10816, 17556	2893, 2894, 2895
2984, 11658, 11671	\bidi@raggedright .	\bidi@resrvdb 2746, 2747
\bidi@patchcmd@scantoks	... 9765, 9770,	\bidi@restore@newpage
.. 2752, 2758, 2893	12643, 12646,	.. 3360, 3377, 3407
\bidi@prepend 2855, 2898	12648, 12651,	\bidi@RTL@everypar
\bidi@preto	12653, 12655,	..... 9345,
.. 2648, 2679, 2903	12658, 12660,	9357, 9369, 9394,
\bidi@pretocmd	12662, 12664,	9408, 9422,
.. 2851, 2852, 2972	12667, 12669,	13056, 13060,
\bidi@PreventPackageFromLoading	12671, 12673,	16040, 17314, 17318
..... 3181,	12675, 12678,	\bidi@s@tfftextcol
3195, 3225, 3258	12680, 12683,	..... 9965, 9969
\bidi@process@envbody	12685, 12688,	\bidi@s@ved@checkend
... 2381, 2385,	12690, 12692,	.. 3352, 3355, 3373
2386, 2400, 2405,	12695, 12697,	\bidi@s@ved@clearpage
2409, 2410, 2424		.. 3357, 3358, 3361



\bidi@saved@dofilelist	\bidi@warning	\bidipoem@p@ftntext
..... 3363,	... 2566, 2949,	..... 5262,
3366, 3367, 3374	2963, 2975, 2989	5273, 5375,
\bidi@saved@eqno ..	\bidi@xappto	5486, 5500, 11288
..... 13131,	.. 2638, 2644, 2673	\bidipoem@p@LTRftntext
13133, 13134,	\bidi@xargdef 2576, 2584	..... 5263,
17912, 17914, 17915	\bidi@xpreto	5274, 5378,
\bidi@saved@leqno .	.. 2660, 2666, 2682	5487, 5501, 11319
..... 13132,	\bidicolor ... 6207,	\bidipoem@p@RTLftntext
13133, 13134,	6263, 6278, 6280,	5264, 5275, 5381,
17913, 17914, 17915	9966, 17257,	5488, 5502, 11350
\bidi@saved@newpage	17304, 17307, 17308	\bidipoem@p@xfootnote
..... 3376, 3387	\bididate 1493, 1495,	... 5266, 5277,
\bidi@saved@RequirePackage	1509, 1609, 1626	5394, 5490, 5504
3180, 3200, 3211,	\bidi@scale@@box ..	\bidipoem@p@xftntext
3263, 3265, 3343	..... 10656, 10657	..... 5265,
\bidi@set@load@hook	\bidi@scale@box ...	5276, 5385,
..... 3087,	10633, 10634, 10653	5399, 5489, 5503
3090, 3091,	\bidi@scale@box@dd	\bidipoem@p@xLTRfootnote
3093, 3112, 3124,	10665, 10669, 10675	... 5268, 5279,
3138, 3155, 3166	\bidi@scale@box@dddd	5401, 5492, 5506
\bidi@SOUL@ulleaders	..... 10671, 10682	\bidipoem@p@xLTRftntext
..... 16081, 16087	\bidillap .....	..... 5267,
\bidi@store@prevent@package@from@loading	\bidipoem@h@vlen ..	5278, 5388,
..... 3269, 3272	... 5184, 5190,	5406, 5491, 5505
\bidi@tabular@RTLcases	5193, 5196, 5205	\bidipoem@p@xRTLfootnote
..... 17395, 17424	\bidipoem@half@verses	... 5270, 5281,
\bidi@tempa 1561, 1567,	... 5210, 5211, 5214	5408, 5494, 5508
1573, 1585, 1591, 1597	\bidipoem@half@verses@next	\bidipoem@p@xRTLftntext
\bidi@tempb 1561, 1562,	... 5210, 5211, 5212	..... 5269,
1567, 1568, 1573,	\bidipoem@hvind 5184,	5280, 5391,
1574, 1585, 1586,	5187, 5188, 5196,	5413, 5493, 5507
1591, 1592, 1597, 1598	5197, 5200, 5203	\bidipoem@set@verse
\bidi@todonotes@tempa	\bidipoem@hvlen ...	.. 5190, 5193, 5195
..... 17007, 17015	... 5183, 5188,	\bidipoem@set@verseI
\bidi@todonotes@tempb	5190, 5201, 5203	..... 5189, 5192
..... 17007,	\bidipoem@hvsep 5183,	\bidipoem@spreadbox
17008, 17015, 17016	5196, 5197, 5204	... 5179, 5201,
\bidi@undef	\bidipoem@next 5189, 5190	5203, 5204, 5205
... 2754, 2833,	\bidipoem@openbox .	\bidirlap
2895, 2908, 2921	..... 5228, 5233	17570
\bidi@undefined .. 2833	\bidipoem@p@ftn ...	\bidituftefloat@debug@info@NL
\bidi@un@prevent@package@from@loading	... 5235, 5245,	... 3520, 3618,
..... 3273	5376, 5377, 5379,	3622, 3911, 3960
\bidi@un@replace@class	5380, 5382, 5383,	\bidituftefloat@error
..... 3076	5386, 5389, 5392,	..... 3519, 4006
\bidi@un@replace@input	5497, 11290,	\bidituftefloat@info@NL
..... 3053	11300, 11321,	.. 3520, 3521, 4075
\bidi@un@replace@package	11331, 11352, 11362	\bidituftefloat@recalculate
..... 3073		..... 3647, 3658



<code>\bidituftehyperrefLoadHyperref</code>	9828, 9832, 9875, 9957, 9983, 9988,	7128, 7897, 9527, 9734, 10424, 10426
..... 4897, 4908		
<code>\bidituftesidenotemarginpar</code>	10471, 10478,	<code>\br</code> 12962, 12964,
.. 4091, 4443, 4599	10481, 10495,	12966, 12967,
<code>\bidituftetocError</code>	10531, 10538,	12968, 12972,
.. 4628, 4675, 4684	10541, 10551,	13028, 13034, 13042
<code>\bidiversion</code> .. 1494,	10560, 10563,	<code>\BR@b@bibitem</code> 4296, 4297
1495, 1509, 1610, 1626	10601, 10604,	<code>\BR@bibitem</code> . 4299, 4300
<code>\bigskip</code> 13180	10647, 10650,	<code>\BR@c@bibitem</code> 4301
<code>\bigskipamount</code>	10680, 10697,	<code>\bracetext</code> ... 1557,
.. 7939, 7944, 9504	11653, 12025,	1659, 13062,
<code>\bl</code> ... 12962, 12963,	12208, 12242,	13063, 17320, 17321
12966, 12967,	12278, 12334,	<code>\break</code> 11982
12968, 12972,	12337, 12360,	<code>\BreakBibliography</code>
13027, 13034, 13038	12412, 12417,	..... 14630,
<code>\blacktriangleleft</code>	12553, 12559,	14662, 14664,
..... 10373, 10375	12574, 12582,	14670, 15197,
<code>\blacktriangleright</code>	12931, 12935,	15229, 15231,
..... 10373, 10375	12951, 12985,	15237, 15829,
<code>\bm@b</code> 17633	12989, 12994,	15861, 15863, 15869
<code>\bm@l</code> 17630	12998, 13010,	<code>\bs</code> 1771, 1772, 1774
<code>\bm@r</code> 17631	13021, 13035,	<code>\bslice</code> 12982,
<code>\bm@t</code> 17632	13038, 13042,	12983, 12985,
<code>\boolean</code> 177, 182, 190,	13047, 13124,	12995, 12996,
3520, 3590, 3592,	13169, 13172,	12998, 13018,
3595, 3599, 3602,	14216, 14225,	13019, 13021,
3605, 3630, 3726,	14263, 14274,	13045, 13046, 13047
3741, 3746, 3766,	14758, 14768,	<code>\bx@A</code> 3946, 3987
3773, 3781, 3798,	15325, 15335,	<code>\bx@a</code> .. 3920, 3952, 3993
3818, 3822, 3840,	15445, 15451,	<code>\bx@AA</code> .. 3959, 3961, 3999
3841, 3844, 3845,	15457, 15463,	<code>\bx@B</code> 3946, 3987
3880, 3889, 3900,	15469, 15475,	<code>\bx@b</code> ... 3921, 3952, 3993
4642, 4646, 4694,	15481, 15487,	<code>\bx@BB</code> 3962, 3999
4907, 5044, 5113,	15493, 15957,	<code>\bx@C</code> 3946, 3987
5124, 9980, 12821	15967, 16285,	<code>\bx@c</code> .. 3922, 3952, 3993
<code>\botmark</code> ... 9962, 17900	16311, 16329,	<code>\bx@CC</code> 3963, 3999
<code>\box</code> 168, 170,	17201, 17202,	<code>\bx@D</code> 3946, 3987
2099, 2105, 4061,	17212, 17386,	<code>\bx@d</code> .. 3923, 3952, 3993
6122, 6246, 6403,	17573, 17653,	<code>\bx@DD</code> 3964, 3999
6406, 6423, 6427,	17658, 17660,	<code>\bx@E</code> 3946, 3987
6434, 6440, 6442,	17671, 17677,	<code>\bx@e</code> .. 3924, 3952, 3993
6448, 6449, 6470,	17682, 17797,	<code>\bx@EE</code> 3965, 3999
6476, 6481, 6487,	17813, 17824,	<code>\bx@F</code> 3947, 3988
6488, 6543, 6546,	17837, 17839,	<code>\bx@f</code> .. 3925, 3953, 3994
6551, 6556, 6580,	17887, 17889, 17909	<code>\bx@FF</code> 3966, 4000
6716, 6720, 6744,	<code>\boxdef</code> 1803,	<code>\bx@G</code> 3947, 3988
7026, 7047, 7063,	1805, 1811, 1816, 1821	<code>\bx@g</code> .. 3926, 3953, 3994
7120, 7953, 7958,	<code>\boxmaxdepth</code>	<code>\bx@GG</code> 3967, 4000
9295, 9310, 9320,	... 7018, 7023,	<code>\bx@H</code> 3947, 3988
9546, 9796, 9798,	7039, 7044, 7071,	<code>\bx@h</code> .. 3927, 3953, 3994



\bx@HH	3968, 4000	\bx@y	3944, 3957, 3998	14638, 14647,
\bx@I	3947, 3988	\bx@YY	3985, 4004	14654, 15205,
\bx@i	3928, 3953, 3994	\bx@Z	3919, 3951, 3992	15214, 15221,
\bx@II	3969, 4000	\bx@z	3945, 3957, 3998	15837, 15846,
\bx@J	3947, 3988	\bx@ZZ	3986, 4004	15853, 16376, 16383
\bx@j	3929, 3953, 3994			\c@equation
\bx@JJ	3970, 4000	C		5626,
\bx@K	3948, 3989	\c@abspage	10055	5802, 6047, 7272,
\bx@k	3930, 3954, 3995	\c@addvipersep	12279,	7341, 7657, 9727,
\bx@KK	3971, 4001		12297, 12302,	9992, 10005,
\bx@L	3948, 3989		12324, 12351,	12170, 13407,
\bx@l	3931, 3954, 3995		12361, 12379,	13776, 13960,
\bx@LL	3972, 4001		12384, 12406, 12430	14141, 15184, 15816
\bx@M	3948, 3989	\c@algocf	164	\c@figure
\bx@m	3932, 3954, 3995	\c@chapter	5626, 5628,	5628, 5804,
\bx@MM	3973, 4001		5630, 5802, 5804,	6049, 7659, 9729,
\bx@N	3948, 3989		5806, 6047, 6049,	9994, 10007,
\bx@n	3933, 3954, 3995		6051, 6052, 7657,	12171, 13409,
\bx@NN	3974, 4001		7659, 7661, 7662,	13772, 13962,
\bx@O	3949, 3990		9727, 9729, 9731,	14143, 15168, 15808
\bx@o	3934, 3955, 3996		9992, 9994, 9996,	\c@footnote
\bx@OO	3975, 4002		9997, 10005,	. . . . .
\bx@P	3949, 3990		10007, 10009,	. . . . .
\bx@p	3935, 3955, 3996		10010, 11691,	. . . . .
\bx@PP	3976, 4002		12170, 12755,	. . . . .
\bx@Q	3949, 3990		13407, 13409,	. . . . .
\bx@q	3936, 3955, 3996		13411, 13772,	. . . . .
\bx@QQ	3977, 4002		13774, 13776,	. . . . .
\bx@R	3949, 3990		13960, 13962,	. . . . .
\bx@r	3937, 3955, 3996		13964, 14141,	. . . . .
\bx@RR	3978, 4002		14143, 14145, 14146	. . . . .
\bx@S	3910, 3912, 3950, 3991	\c@colht	12279,	. . . . .
\bx@s	3938, 3956, 3997		12291, 12317,	. . . . .
\bx@SS	3979, 4003		12318, 12361,	. . . . .
\bx@T	3913, 3950, 3991		12373, 12399, 12400	. . . . .
\bx@t	3939, 3956, 3997	\c@curpg	9889, 9916, 9917	. . . . .
\bx@TT	3980, 4003	\c@DFNsloppiness	7016, 7037	. . . . .
\bx@U	3914, 3950, 3991	\c@enumiv	568,	. . . . .
\bx@u	3940, 3956, 3997		575, 702, 709,	. . . . .
\bx@UU	3981, 4003		964, 971, 1213,	. . . . .
\bx@V	3915, 3950, 3991		1220, 2353, 5596,	. . . . .
\bx@v	3941, 3956, 3997		5603, 5783, 5790,	. . . . .
\bx@VV	3982, 4003		6091, 6098, 7432,	. . . . .
\bx@W	3916, 3951, 3992		7439, 7702, 7709,	. . . . .
\bx@w	3942, 3957, 3998		9620, 9627,	. . . . .
\bx@WW	3983, 4004		13388, 13395,	. . . . .
\bx@X	3917, 3951, 3992		13781, 13788,	. . . . .
\bx@x	3943, 3957, 3998		13974, 13981,	. . . . .
\bx@XX	3984, 4004		14176, 14183,	. . . . .
\bx@Y	3918, 3951, 3992			. . . . .



\c@NAT@ctr	12714	10013, 12163,	\c@twrtside	6400
\c@page	5051,	13403, 13768,	\c@twslicea	
	7179, 7196, 9889,	13967, 14149,		6397, 6399,
	9916, 17164, 17793	14613, 15156, 15800		6403, 6406, 6415,
\c@paragraph . . .	543,	\c@table . 5630, 5806,		6416, 6423, 6427
	696, 949, 1207,	6051, 7661, 9731,	\c@twsliceb	
	5623, 5799,	9996, 10009,		6398, 6400,
	6056, 7543, 7666,	12172, 13411,		6403, 6406, 6419,
	9724, 10001,	13774, 13964,		6420, 6423, 6427
	10014, 12165,	14145, 15176, 15812	\c@twwinlines 6396, 6409	
	13404, 13769,	\c@thisframe	\c@zabspage	10055
	13968, 14150,		\cals@activate@rtl 6164	
	14615, 15158, 15802		\cals@borderB	6185
\c@poem@no . . .	5320,		\cals@borderL	6182
	5370, 5421, 5432	\c@tocdepth . 3, 204,	\cals@borderR	6183
\c@secnumdepth		503, 520, 638,	\cals@borderT	6184
	306, 546,	654, 672, 864,	\cals@current@context	
	555, 5866, 6061,	897, 915, 1119,		6177
	7402, 7411, 7671,	1135, 1153, 5531,	\cals@last@context 6176	
	9591, 13184, 14155	5547, 5563, 5707,	\cals@paddingL 6190, 6194	
\c@section . . .	5620,	5723, 5739, 6009,	\cals@paddingR 6191, 6195	
	5796, 6053,	6024, 7375, 7389,	\cals@set@tohsize 6179	
	7663, 9721, 9998,	7643, 9559, 9574,	\cals@setcellprevdepth	
	10011, 12159,	12478, 12490,		6179
	12765, 13401,	12502, 13318,	\cals@setpadding . 6179	
	13766, 13965,	13334, 13350,	\cals@tbreak@tokens 6174	
	14147, 15152, 15796	13689, 13705,	\cals@tfoot@height 6175	
\c@subparagraph 544,		13721, 13920,	\cals@tfoot@tokens	
	697, 950, 1208,	13934, 14103,		6173, 6187
	5624, 5800,	14118, 14547,	\cals@thead@tokens 6172	
	6057, 7544, 7667,	14580, 15058,	\CAny	1792
	9725, 10002,	15085, 15113,	\CAny	1800
	10015, 12167,	15733, 15761,	\cap@indent	
	13405, 13770,	16452, 16456,		14735, 14738,
	13969, 14151,	16498, 16517,		14743, 14745,
	14617, 15160, 15804	16539, 16556,		14746, 15302,
\c@subsection		16573, 16590,		15305, 15310,
	541, 694,	16758, 16954, 17635		15312, 15313,
	947, 1205, 5621,	\c@twb		15934, 15937,
	5797, 6054, 7541,			15942, 15944, 15945
	7664, 9722, 9999,	\c@twcompctr	\cap@left	14757,
	10012, 12161,			14768, 15324,
	13402, 13767,			15335, 15956, 15967
	13966, 14148,	\c@twcompoddctr . . 6410	\cap@margin	
	14611, 15154, 15798	\c@twfirst		14700, 15267, 15899
\c@subsubsection 542,		6395, 6401, 6408,	\cap@right . . . 14759,	
	695, 948, 1206,	6412, 6421, 6424		14768, 15326,
	5622, 5798,	\c@twlftside 6399		15335, 15958, 15967
	6055, 7542, 7665,	\c@twlspec	\cap@width	
	9723, 10000,			14723, 14726,
		6413, 6416, 6420		
		\c@twprune . . . 6399,		
		6400, 6416, 6420		
		\c@twrounds . . . 6411,		
		6414, 6417, 6429		



14729, 15290, 15293, 15296, 15922, 15925, 15928	\catcode	\cftchapterprecistoc
\capfont 14710, 14731, 14736, 14741, 14745, 14764, 14768, 15277, 15298, 15303, 15308, 15312, 15331, 15335, 15909, 15930, 15935, 15940, 15944, 15963, 15967	1611, 1662, 2761, 4268, 4290, 5218, 5219, 5221, 5222, 10382, 10383, 10498, 11440, 11441	16750 16448 16742 16741 16617 16618 16621 16620 16612 16615 16616 16583 16584 16587 16586
\caplabelfont . 14711, 14732, 14737, 14742, 14747, 14765, 15278, 15299, 15304, 15309, 15314, 15332, 15910, 15931, 15936, 15941, 15946, 15964	\Centering 13194 \centering 305, 6873, 6886, 7002, 9766, 9771, 10819, 10904, 10920, 12193, 12195, 12197, 14439, 14950, 15625	\cftfigaftersnum . 16617 \cftfigaftersnumb 16618 \cftfigfillnum ... 16621 \cftfigfont 16620 \cftfigindent 16609, 16612 \cftfignumwidth .. 16615 \cftfigpresnum ... 16616 \cftparaaftersnum 16583 \cftparaaftersnumb 16584 \cftparafillnum .. 16587 \cftparafont 16586 \cftparaindent 16575, 16578 \cftparanumwidth . 16581 \cftparapresnum . 16582 \cftpartaftersnum 16478 \cftpartaftersnumb 16479 \cftpartfillnum .. 16482 \cftpartfont 16481 \cftpartindent 16470, 16473 \cftpartnumwidth . 16476 \cftpartpresnum 16477, 16481
\caption 3735, 3736, 3738, 3788, 10789, 10807, 11985, 12246, 12248	\centerline 309, 10478, 10495, 13135, 17557	\cftsecaftersnum 16532 \cftsecaftersnumb 16533 \cftsecfillnum .. 16536 \cftsecfont 16535 \cftsecindent 16524, 16527 \cftsecnumwidth . 16530 \cftsecpresnum ... 16531 \cftsubfigaftersnum 16654 \cftsubfigaftersnumb 16655 \cftsubfigfillnum 16658 \cftsubfigfont ... 16657 \cftsubfigindent 16646, 16649 \cftsubfignumwidth 16652 \cftsubfigpresnum 16653 \cftsubparaaftersnum 16600
\caption@@par 6199	\cftbeforechapskip 16500 \cftbeforefigskip 16608 \cftbeforeparaskip 16574 \cftbeforepartskip 16468 \cftbeforesecskip 16519, 16522	
\caption@hangindent 6200	\cftbeforesubfigskip 16645 \cftbeforesubparaskip 16591 \cftbeforesubsecskip 16540 \cftbeforesubsubsecskip 16557 \cftbeforesubtabskip 16665 \cftbeforetabskip 16626 \cftchapaftersnum 16509 \cftchapaftersnumb 16510 \cftchapfillnum .. 16513 \cftchapfont 16512 \cftchapindent 16501, 16504, 16751 \cftchapnumwidth 16507, 16752 \cftchappresnum . 16508	
\caption@makecaption 6197		
\caption@parindent 6200		
\caption@startrue 11685		
\captionabove . 14816, 14821, 15383, 15388, 16015, 16020		
\captionbelow . 14818, 14823, 15385, 15390, 16017, 16022		
\captionformat 14711, 14732, 14737, 14742, 14747, 14765, 15278, 15299, 15304, 15309, 15314, 15332, 15910, 15931, 15936, 15941, 15946, 15964		
\captionlabelfalse 11683		



\cftsubparaaftersnumb	\chapnumfont	13183	14441, 14907,
. 16601	\chapter	4640,	14952, 15582, 15627
\cftsubparafillnum 16604	4668, 4738, 4746,		\cleardoublepage . .
\cftsubparafont . 16603	4862, 4868, 5593,		. . . 5004, 5049,
\cftsubparaindent .	5780, 6088, 7699,		5051, 5108, 5121,
. 16592, 16595	9617, 13385,		5135, 6082, 7693
\cftsubparanumwidth	13778, 13971, 14173		\clearpage 598,
. 16598	\chapterheadendvskip		614, 862, 1113,
\cftsubparapresnum 16599	. . . . . 13189		3357, 3358, 3361,
\cftsubsecaftersnum	\chapterheadstartvskip		4007, 5016, 5051,
. 16549	. . . . . 13181		5137, 5525, 5701,
\cftsubsecaftersnumb	\chaptermark . 5125, 16411		5910, 6084, 7695,
. 16550	\chaptername . 310, 12179		13294, 13548,
\cftsubsecfillnum 16553	\chapterstyle 12174		14005, 14504,
\cftsubsecfont . . 16552	\char 1775, 1776		15015, 15690, 16445
\cftsubsecindent . .	\chardef		\clipbox@@ 13171
. 16541, 16544	10382, 11628, 11629		\closing . . . 7732, 15501
\cftsubsecnumwidth 16547	\check@floats 6601, 6766		\clubpenalty 88,
\cftsubsecpresnum 16548	\CheckCommand . 2993,		297, 577, 578,
\cftsubsubsecaftersnum	11210, 11248, 13245		710, 972, 1221,
. 16566	\checkoddpage 3629		2354, 5336, 5604,
\cftsubsubsecaftersnumb	\CIIIIAny 1793		5791, 6100, 6101,
. 16567	\ciiiiAny 1801		7440, 7711, 7712,
\cftsubsubsecfillnum	\circle 6302,		9628, 12720,
. 16570	6305, 6312, 6315,		13396, 13789,
\cftsubsubsecfont 16569	6325, 6328, 6335,		13983, 13984,
\cftsubsubsecindent	6338, 6348, 6351,		14185, 14186,
. 16558, 16561	6358, 6361, 6371,		14656, 15223,
\cftsubsubsecnumwidth	6374, 6381, 6384		15855, 16385, 16386
. 16564	\cite 4305,		\coffeefont 12498
\cftsubsubsecpresnum	4397, 4403, 4404,		\col@number 128, 133,
. 16565	4495, 4500, 4521,		135, 138, 139, 146,
\cftsubtabaftersnum	4529, 4550, 4558,		454, 803, 1054,
. 16674	4579, 4597, 4601,		1303, 2050, 5960,
\cftsubtabaftersnumb	4606, 4610, 4615,		7497, 7594, 9677,
. 16675	4619, 12723, 12724		12137, 12440,
\cftsubtabfillnum 16678	\citeasnoun 12724		12522, 12527,
\cftsubtabfont . . 16677	\citeN 12723		12594, 12595,
\cftsubtabindent . .	\cites 4398		12597, 12600,
. 16666, 16669	\cl@ckpt 16173		12601, 12608,
\cftsubtabnumwidth 16672	\ClassInfo 5082, 5147,		13489, 13630,
\cftsubtabpresnum 16673	14827, 15394, 16026		13873, 14054,
\cfttabaftersnum 16635	\ClassWarning		14460, 14971, 15646
\cfttabaftersnumb 16636	14449, 14960, 15635		\col@sep
\cfttabfillnum . . 16639	\ClassWarningNoLine		. 374, 402, 6203,
\cfttabfont 16638	. . . . . 12230		6204, 11997, 17399
\cfttabindent	\clear 3398		\color 177, 1732, 1733,
. 16627, 16630	\cleardoubleemptypage		1734, 1735, 2278,
\cfttabnumwidth . 16633	. . . . . 14396,		6248, 6251, 6254,
\cfttabpresnum . . 16634			6272, 6275, 6867,



6870, 6880, 6998,	4473, 4490, 5497,	\columncolor .. 1457, 6211
11535, 12076, 17214	7775, 7791, 7807,	\columnsep 95,
\color@ .. 17254, 17301	7821, 7834, 7847,	225, 591, 607,
\color@b@x ... 6240,	7934, 7989, 7999,	855, 1106, 1681,
6278, 6280,	8009, 8035, 8048,	2187, 5518, 5694,
17207, 17304, 17307	8060, 8087, 8100,	5903, 6443, 6547,
\color@begingroup .	8136, 8145, 8154,	9799, 10564,
... 4452, 4469,	8179, 8191, 8202,	12339, 12437,
4486, 5495, 5509,	8228, 8240, 8276,	12530, 12576,
7771, 7787, 7803,	8286, 8296, 8322,	13287, 13541,
7816, 7829, 7842,	8335, 8347, 8374,	13998, 17169,
7987, 7997, 8007,	8387, 8423, 8433,	17174, 17178,
8033, 8046, 8058,	8443, 8469, 8482,	17184, 17187, 17661
8085, 8098, 8134,	8494, 8521, 8534,	\columnseprule .. 95,
8143, 8152, 8177,	8570, 8580, 8590,	225, 590, 606,
8189, 8200, 8226,	8616, 8629, 8641,	854, 1105, 1682,
8238, 8274, 8284,	8668, 8681, 8717,	2188, 5517, 5693,
8294, 8320, 8333,	8727, 8737, 8763,	5902, 6439, 6478,
8345, 8372, 8385,	8776, 8788, 8815,	6541, 6553, 6718,
8421, 8431, 8441,	8828, 8864, 8874,	9795, 9830,
8467, 8480, 8492,	8884, 8910, 8923,	10539, 10558,
8519, 8532, 8568,	8935, 8962, 8975,	12331, 12414,
8578, 8588, 8614,	9011, 9021, 9031,	12555, 12566,
8627, 8639, 8666,	9057, 9070, 9082,	13286, 13540,
8679, 8715, 8725,	9109, 9122, 9158,	13997, 17657, 17679
8735, 8761, 8774,	9168, 9178, 9204,	\columnseprulecolor
8786, 8813, 8826,	9217, 9229, 9256,	..... 12554, 12565
8862, 8872, 8882,	9269, 9354, 9366,	\columnwidth 28,
8908, 8921, 8933,	9378, 9404, 9418,	40, 53, 68, 238,
8960, 8973, 9009,	9432, 9466, 9480,	249, 262, 276,
9019, 9029, 9055,	9536, 10205,	535, 539, 724,
9068, 9080, 9107,	10221, 10236,	958, 1203, 2033,
9120, 9156, 9166,	10262, 10275,	5618, 5771, 6040,
9176, 9202, 9215,	10288, 10318, 17510	6044, 6151, 6438,
9227, 9254, 9267,	\color@fb@x 17305, 17306	6440, 6442, 6444,
9352, 9364, 9376,	\color@fb@x 6279, 17305	6475, 6480, 6540,
9402, 9416, 9430,	\color@hbox	6542, 6545, 6548,
9464, 9478, 9532,	.. 14285, 14295,	6550, 6555, 6716,
10202, 10218,	14313, 17881, 17891	6720, 7016, 7037,
10233, 10259,	\color@setgroup ...	7447, 7451, 7745,
10272, 10285,	..... 6281, 17309	7749, 7758, 7768,
10297, 12050, 17508	\color@vbox	7784, 7800, 7813,
\color@block 6245, 17212	2021, 4118, 4162,	7826, 7839, 8030,
\color@box . 6278, 17304	4206, 17726, 17770	8042, 8055, 8095,
\color@endbox . 2043,	\colorA 5868, 5877, 5889	8174, 8185, 8197,
4127, 4171, 4215,	\colorB 5874,	8235, 8317, 8329,
14288, 14298,	5880, 5886, 5892	8342, 8382, 8464,
14316, 17735,	\colorblend .. 17221,	8476, 8489, 8529,
17779, 17884, 17894	17222, 17264, 17265	8611, 8623, 8636,
\color@endgroup 4456,	\colorbox 1848, 1850, 1851	8676, 8758, 8770,



8783, 8823, 8905,	\CoordIII 1791	12553, 12570,
8917, 8930, 8970,	\coordiii 1796	12571, 12574, 16212
9052, 9064, 9077,	\Coordn 1790	\counterwithout 12175,
9117, 9199, 9211,	\coordn 1795	12176, 12177, 12178
9224, 9264, 9398,	\Coordx 1786,	\cr . 390, 5283, 5290,
9412, 9426, 9474,	1789, 1790, 1791,	5346, 7956, 7960,
9610, 9614, 9794,	1792, 1793, 1794,	7962, 12012,
9796, 9798, 9800,	1795, 1796, 1800, 1801	16117, 16156, 17607
9828, 9832,	\coordx 1797	\crrcr 401,
10113, 10116,	\Coordy 1787,	1914, 2060, 5286,
10118, 10198,	1789, 1790, 1791,	16104, 16136,
10214, 10229,	1792, 1793, 1794,	17410, 17415, 17593
10255, 10268,	1795, 1796, 1800, 1801	\CROP@llc 6344
10281, 10299,	\coordy 1798	\CROP@lrc 6367
10513, 10520,	\Coordz 1788,	\CROP@ulc 6298
10537, 10540,	1791, 1793, 1796, 1801	\CROP@urc 6321
10557, 10559,	\coordz 1799	\CROP@execopt 6391
10562, 10565,	\copy 2096, 2108, 2112,	\csname 8,
10761, 10762,	4114, 4158, 4202,	43, 56, 71, 162,
11507, 11511,	6155, 6522, 6528,	164, 209, 252,
12053, 12329,	6688, 6700, 7027,	265, 279, 335,
12333, 12336,	7048, 9777, 9809,	336, 378, 1360,
12338, 12411,	10592, 10638,	1877, 1878, 1892,
12416, 12437,	13055, 13123,	1893, 1920, 1923,
12466, 12472,	13191, 17385,	1926, 1942, 1950,
12624, 12628,	17722, 17766, 17829	1958, 2013, 2071,
12632, 12636,	\cor@height . . 12286,	2384, 2385, 2408,
13382, 13803,	12287, 12314,	2409, 2436, 2463,
13953, 13957,	12315, 12351,	2467, 2472, 2474,
14134, 14138,	12368, 12369,	2478, 2479, 2488,
14377, 14686,	12396, 12397, 12430	2530, 2540, 2546,
14691, 14888,	\count . . . 2016, 4103,	2547, 2549, 2550,
15253, 15258,	4147, 4191, 7945,	2552, 2553, 2555,
15423, 15427,	7973, 8076, 8120,	2591, 2592, 2615,
15563, 15885,	8217, 8260, 8363,	2670, 2671, 2672,
15890, 17656,	8407, 8510, 8554,	2673, 2679, 2680,
17658, 17660,	8657, 8701, 8804,	2681, 2682, 2765,
17662, 17676,	8848, 8951, 8995,	2766, 2769, 2770,
17681, 17818, 17820	9098, 9142, 9245,	2945, 2947, 2959,
\contentslabel	9331, 9449, 9899,	2961, 2999, 3002,
. . . 4699, 4706,	10532, 10552,	3006, 3023, 3026,
4713, 4720, 4727	17711, 17755, 17858	3028, 3038, 3041,
\contentsline 11024	\count@ 1397,	3043, 3050, 3055,
\contentsmargin . . 16351	1456, 2456, 2461,	3060, 3070,
\contentspush . . . 16325	3445, 3446, 3448,	3086, 3089,
\convertcolorspec .	6209, 12517,	3103, 3115, 3147,
. 17228,	12518, 12520,	3158, 3242, 3245,
17231, 17271, 17274	12522, 12529,	3285, 3334, 3474,
\Coord 1789	12550, 12551,	3495, 3558, 3850,
\coord 1794		3851, 3858, 3859,



4259, 4450, 4467,	10069,	10087,	1449, 1450, 1454,
4484, 4515, 4544,	10173,	10182,	1478, 6202, 6228
4573, 4815, 5341,	10200,	10216,	\cumpartcl 12959
5376, 5379, 5382,	10231,	10258,	\cumtcl 12959
5396, 5403, 5410,	10271,	10284,	\curraddr 324
5418, 5419, 5457,	10331,	10346,	\current@color
5482, 5483, 6254,	11026,	11029,	... 6247, 6253,
6260, 6268, 6275,	11031,	11035,	6260, 6268, 6274,
6792, 7770, 7786,	11039,	11053,	10360, 10365,
7802, 7815, 7828,	11064,	11075,	17213, 17250,
7841, 7986, 7996,	11292,	11323,	17251, 17255,
8006, 8032, 8045,	11354,	11539,	17284, 17285, 17302
8057, 8075, 8076,	11542,	11934,	\CurrentOption 5063,
8084, 8097, 8133,	12259,	12260,	5064, 5065, 5066,
8142, 8151, 8176,	12267,	14329,	5067, 5087, 5088,
8188, 8199, 8216,	14333,	14337,	5089, 5090,
8217, 8225, 8237,	14840,	14844,	5091, 6813, 6911
8273, 8283, 8293,	14848,	15515,	\customername 15461
8319, 8332, 8344,	15519,	15523,	\CustomFBox 10362
8362, 8363, 8371,	16107,	16134,	\cvcomputer 2310
8384, 8420, 8430,	16136,	16168,	\cvdoubleitem 2287, 2311
8440, 8466, 8479,	16190,	16192,	\cventry 2299
8491, 8509, 8510,	16208,	16209,	\cvlanguage 2308
8518, 8531, 8567,	16229,	16236,	\cvline 2282,
8577, 8587, 8613,	16428,	16691,	2283, 2288, 2292,
8626, 8638, 8656,	16692,	16708,	2294, 2300, 2309
8657, 8665, 8678,	16709,	16710,	\cvlistdoubleitem 2293
8714, 8724, 8734,	16717,	16719,	\cvlistitem 2291
8760, 8773, 8785,	16720,	16786,	\cvtheme 2225, 2228
8803, 8804, 8812,	16788,	16795,	
8825, 8861, 8871,	16796,	16800,	D
8881, 8907, 8920,	16805,	16809,	\dollarbegin
8932, 8950, 8951,	16820,	16821,	. 374, 403, 1401,
8959, 8972, 9008,	16825,	16831,	1402, 1403, 1466,
9018, 9028, 9054,	16886,	16887,	1469, 1470, 6216,
9067, 9079, 9097,	16891,	16987,	6219, 6220, 17399
9098, 9106, 9119,	16988,	16990,	\dollarend
9155, 9165, 9175,	16993,	16994,	. 375, 403, 1401,
9201, 9214, 9226,	16998,	17441,	1402, 1403, 1468,
9244, 9245, 9253,	17496, 17596, 17964		1469, 1470, 6218,
9266, 9350, 9362,	\CT@do@color 6206		6219, 6220, 17400
9374, 9400, 9414,	\CT@cell@color 1481, 6231		\dashgapcolor 1461
9428, 9448, 9449,	\CT@color 6205		\date .. 442, 478, 780,
9462, 9476, 9736,	\CT@column@color ..		825, 1031, 1076,
9877, 9878, 9883,	..... 1479, 6229		1280, 1325, 1716,
9884, 9974, 9975,	\CT@do@color		4929, 4977, 5683,
9976, 9977, 9979,	.. 1482, 6206, 6232		5859, 5948, 5984,
9981, 9982, 9983,	\CT@extract .. 1457, 6211		7485, 7519, 7582,
9984, 9986, 9987,	\CT@row@color 1480, 6230		7618, 9665, 9699,
9988, 10045,	\CT@setup 1446, 1447,		13466, 13511,



13607, 13654,	481, 545, 581, 712,	2382, 2388, 2391,
13856, 13897,	735, 736, 744,	2402, 2403, 2406,
14042, 14078,	783, 784, 786,	2412, 2415, 2426,
14500, 15011, 15686	791, 793, 798,	2428, 2431, 2435,
\datename 15491	800, 828, 974,	2441, 2449, 2450,
\deadcycles . 2930, 2933	986, 987, 995,	2451, 2452, 2453,
\debugfootnotedirection	1034, 1035, 1037,	2454, 2455, 2462,
. 10032	1042, 1044, 1049,	2463, 2467, 2471,
\DeclareOption	1050, 1079, 1223,	2473, 2518, 2526,
. . . . 2117, 2120,	1235, 1236, 1244,	2547, 2555, 2556,
2123, 2126, 2129,	1283, 1284, 1286,	2557, 2563, 2565,
2132, 2135, 2140,	1291, 1293, 1298,	2566, 2567, 2570,
2141, 2142, 2143,	1300, 1328, 1348,	2572, 2574, 2580,
2144, 2146, 3524,	1358, 1359, 1362,	2584, 2587, 2596,
3525, 3527, 3529,	1368, 1396, 1409,	2607, 2609, 2610,
3532, 3537, 4634,	1410, 1413, 1426,	2621, 2694, 2713,
4635, 4893, 4894,	1434, 1442, 1443,	2745, 2746, 2747,
4919, 4920, 5063,	1446, 1447, 1450,	2758, 2772, 2775,
5064, 5065, 5066,	1455, 1493, 1494,	2776, 2788, 2800,
5067, 5087, 5088,	1554, 1556, 1557,	2804, 2807, 2820,
5089, 5090, 5091,	1609, 1610, 1647,	2829, 2857, 2885,
6803, 6805, 6807,	1655, 1656, 1657,	2888, 2889, 2897,
6809, 6811, 6812,	1658, 1659, 1669,	2898, 2907, 2920,
6901, 6903, 6905,	1674, 1699, 1700,	2936, 3024, 3027,
6907, 6909, 6910	1782, 1783, 1784,	3036, 3039, 3191,
\DeclareRobustCommand	1786, 1787, 1788,	3202, 3241, 3354,
. 1774,	1789, 1790, 1791,	3364, 3377, 3431,
1775, 1776, 1777,	1792, 1793, 1794,	3441, 3443, 3448,
1778, 1779, 1780,	1795, 1796, 1797,	3453, 3459, 3460,
3863, 3870, 6248,	1798, 1799, 1800,	3463, 3470, 3478,
6263, 17214, 17257	1801, 1806, 1817,	3493, 3553, 3576,
\DecMargin 190	1848, 1849, 1850,	3667, 3688, 3692,
\dedication	1851, 1858, 1864,	3705, 3779, 3848,
14499, 15010, 15685	1870, 1878, 1883,	3866, 3872, 3909,
\dedicatory 325	1885, 1893, 1898,	4034, 4036, 4037,
\def 2, 23,	1899, 1914, 1919,	4038, 4047, 4049,
26, 30, 34, 47, 62,	1922, 1925, 1930,	4050, 4051, 4055,
91, 94, 103, 104,	1933, 1936, 1940,	4057, 4063, 4064,
105, 106, 118, 128,	1948, 1956, 1963,	4091, 4105, 4108,
129, 131, 167, 168,	1965, 1966, 1968,	4112, 4116, 4129,
169, 170, 180, 184,	2037, 2046, 2059,	4135, 4149, 4152,
203, 224, 233,	2086, 2200, 2201,	4156, 4160, 4173,
234, 235, 236,	2202, 2203, 2204,	4179, 4193, 4196,
240, 243, 256,	2205, 2207, 2208,	4200, 4204, 4217,
270, 300, 303,	2226, 2227, 2230,	4254, 4269, 4284,
315, 321, 338,	2231, 2232, 2233,	4289, 4415, 4417,
340, 345, 347,	2234, 2235, 2236,	4445, 4462, 4479,
372, 377, 379,	2237, 2238, 2239,	4499, 4528, 4557,
400, 401, 402,	2240, 2241, 2242,	4777, 4814, 4822,
403, 449, 450,	2357, 2378, 2379,	5051, 5189, 5190,



5192, 5210, 5211,
5214, 5224, 5225,
5226, 5227, 5233,
5236, 5247, 5248,
5249, 5259, 5285,
5289, 5296, 5318,
5337, 5338, 5339,
5345, 5375, 5378,
5381, 5385, 5388,
5391, 5394, 5401,
5408, 5418, 5419,
5420, 5430, 5434,
5437, 5442, 5443,
5444, 5446, 5455,
5461, 5482, 5483,
5606, 5638, 5639,
5647, 5793, 5814,
5815, 5823, 5863,
5883, 5955, 5956,
5987, 6058, 6072,
6104, 6108, 6120,
6133, 6140, 6144,
6147, 6202, 6205,
6208, 6240, 6247,
6250, 6257, 6265,
6271, 6278, 6279,
6281, 6395, 6408,
6411, 6412, 6417,
6424, 6429, 6432,
6467, 6511, 7010,
7014, 7017, 7035,
7038, 7056, 7113,
7171, 7213, 7240,
7242, 7247, 7278,
7279, 7352, 7401,
7420, 7442, 7492,
7493, 7522, 7589,
7590, 7621, 7668,
7683, 7715, 7757,
7764, 7780, 7796,
7812, 7825, 7838,
7865, 7866, 7867,
7878, 7923, 7982,
7992, 8002, 8028,
8040, 8053, 8080,
8093, 8129, 8138,
8147, 8172, 8183,
8195, 8221, 8233,
8269, 8279, 8289,
8315, 8327, 8340,

8367, 8380, 8416,
8426, 8436, 8462,
8474, 8487, 8514,
8527, 8563, 8573,
8583, 8609, 8621,
8634, 8661, 8674,
8710, 8720, 8730,
8756, 8768, 8781,
8808, 8821, 8857,
8867, 8877, 8903,
8915, 8928, 8955,
8968, 9004, 9014,
9024, 9050, 9062,
9075, 9102, 9115,
9151, 9161, 9171,
9197, 9209, 9222,
9249, 9262, 9346,
9358, 9370, 9396,
9410, 9424, 9458,
9472, 9588, 9600,
9630, 9672, 9673,
9702, 9733, 9763,
9768, 9774, 9806,
9876, 9887, 9935,
10024, 10111,
10115, 10117,
10119, 10121,
10123, 10125,
10126, 10128,
10132, 10141,
10143, 10150,
10151, 10168,
10171, 10177,
10180, 10188,
10189, 10190,
10192, 10208,
10223, 10250,
10263, 10276,
10289, 10295,
10301, 10308,
10321, 10325,
10329, 10335,
10340, 10344,
10356, 10370,
10372, 10374,
10376, 10384,
10489, 10499,
10529, 10549,
10578, 10582,
10588, 10590,

10606, 10617,
10618, 10620,
10633, 10634,
10636, 10652,
10654, 10657,
10659, 10660,
10675, 10682,
10722, 10723,
10724, 10725,
10734, 10736,
10772, 11024,
11051, 11062,
11073, 11084,
11094, 11105,
11116, 11127, 11142,
11157, 11172, 11191,
11217, 11234,
11242, 11255,
11272, 11280,
11288, 11305,
11313, 11319,
11336, 11344,
11350, 11367,
11375, 11383,
11397, 11401,
11415, 11423,
11426, 11427,
11430, 11432,
11435, 11453,
11454, 11458,
11460, 11461,
11462, 11464,
11473, 11475,
11514, 11535,
11537, 11538,
11545, 11550,
11610, 11641,
11656, 11657,
11683, 11685,
11966, 11978,
11982, 11983,
11984, 11991,
12019, 12029,
12037, 12040,
12045, 12111,
12112, 12133,
12135, 12185,
12187, 12235,
12246, 12257,
12275, 12357,



12436,	12444,	14193,	14236,	17340,	17348,
12477,	12489,	14283,	14286,	17356,	17357,
12501,	12515,	14293,	14296,	17358,	17359,
12548,	12562,	14304,	14311,	17360,	17361,
12594,	12622,	14314,	14340,	17366,	17367,
12626,	12630,	14342,	14362,	17370,	17372,
12634,	12638,	14608,	14609,	17373,	17374,
12728,	12742,	14660,	14667,	17375,	17377,
12744,	12751,	14816,	14818,	17379,	17381,
12757,	12824,	14851,	14853,	17382,	17388,
12828,	12832,	14873,	15144,	17390,	17395,
12834,	12850,	15227,	15234,	17397,	17402,
12862,	12876,	15383,	15385,	17404,	17410,
12926,	12933,	15401,	15418,	17414,	17421,
13052,	13053,	15422,	15425,	17423,	17426,
13055,	13056,	15429,	15501,	17428,	17429,
13062,	13063,	15526,	15528,	17430,	17431,
13064,	13073,	15548,	15792,	17432,	17442,
13082,	13090,	15859,	15866,	17479,	17499,
13098,	13099,	16015,	16017,	17504,	17505,
13100,	13101,	16039,	16043,	17510,	17547,
13102,	13103,	16060,	16081,	17557,	17560,
13108,	13109,	16084,	16099,	17563,	17568,
13112,	13114,	16104,	16108,	17569,	17570,
13115,	13116,	16131,	16136,	17571,	17572,
13117,	13119,	16140,	16150,	17574,	17577,
13120,	13126,	16166,	16172,	17588,	17593,
13133,	13134,	16180,	16201,	17597,	17617,
13135,	13136,	16210,	16211,	17620,	17630,
13137,	13139,	16227,	16231,	17631,	17632,
13140,	13277,	16234,	16238,	17633,	17634,
13278,	13398,	16241,	16271,	17651,	17668,
13421,	13422,	16296,	16330,	17699,	17713,
13430,	13469,	16352,	16358,	17716,	17720,
13470,	13472,	16361,	16363,	17724,	17737,
13477,	13479,	16366,	16389,	17743,	17757,
13484,	13486,	16953,	16974,	17760,	17764,
13514,	13560,	16976,	17132,	17768,	17781,
13561,	13569,	17175,	17178,	17787,	17827,
13610,	13611,	17184,	17188,	17831,	17832,
13613,	13618,	17207,	17213,	17833,	17834,
13620,	13625,	17216,	17238,	17841,	17902,
13627,	13657,	17247,	17253,	17914,	17915,
13679,	13791,	17259,	17281,	17917,	18026,
13820,	13822,	17287,	17296,	18028,	18032,
13863,	13865,	17300,	17304,	18034,	18060, 18062
13900,	13987,	17305,	17306,	\default@color	
14049,	14050,	17309,	17314,	. . . . . 6247, 17213	
14081,	14152,	17320,	17321,	\DefaultFindent . . 11521	
14164,	14189,	17322,	17331,	\DefaultLhang 11517	



10448, 10449,	\do@hvFloat 10722	17111, 17117, 17118
10450, 16062,	\document . . . 2903, 2917	\dseries@display@setup
16064, 16070,	\documentclass 3204, 3207	..... 6134
16076, 17146,	\doubleitemmaincolumnwidth	
17147, 17148,	..... 2248,	E
17149, 17150,	2261, 2262, 2263,	\edef .. 119, 354, 1375,
17151, 17210, 17211	2264, 2288, 2290	1429, 1437, 1497,
\dimen@i 16063,	\doublerulesepcolor 1460	1521, 1614, 1638,
16064, 16069, 16075	\dp 39, 52,	1876, 1891, 1920,
\dimen@ii 10442,	67, 248, 261, 275,	1923, 1926, 2365,
10443, 10444,	384, 1453, 6244,	2368, 2381, 2385,
10450, 10452,	6245, 6648, 7019,	2392, 2405, 2409,
10455, 10456, 10457	7040, 7067, 7086,	2416, 2522, 2525,
\dimexpr 28,	7088, 7124, 7140,	2628, 2629, 2632,
238, 724, 958,	7142, 7219, 7224,	2633, 2650, 2651,
1203, 5618, 5771,	7237, 7243, 7357,	2654, 2655, 2744,
12082, 12091,	7362, 7366, 7369,	2749, 2759, 2774,
12437, 12636,	7911, 9293, 9520,	2777, 2790, 2794,
13382, 13803,	9528, 9747, 9760,	2799, 2806, 2809,
14367, 14374,	10197, 10213,	2816, 2819, 2825,
14377, 14878,	10228, 10594,	2828, 2881, 2887,
14885, 14888,	10595, 10598,	2890, 3042, 3050,
15553, 15560,	10640, 10641,	3060, 3192, 3235,
15563, 17514,	10644, 11607,	3279, 3301, 3315,
17516, 17517,	12002, 12090,	3343, 3435, 3447,
17518, 17523,	12093, 12534,	3454, 3471, 4279,
17525, 17526,	12550, 12551,	4424, 4435, 5376,
17527, 17532,	12556, 12557,	5379, 5382, 7269,
17534, 17535,	12570, 12571,	7272, 9877, 9883,
17536, 17541,	12578, 12579,	9973, 9975, 9976,
17543, 17544, 17545	12947, 12948,	9977, 10062,
\DiscardVskip 11524	12949, 13152,	10083, 10424,
\display@setup 6109, 6134	14202, 14244,	11174, 11211, 11218,
\displayindent . . . 6150	14247, 14301,	11249, 11256,
\displaystyle 9850, 9866	14308, 14753,	11289, 11320,
\displaywidth	14756, 15320,	11351, 11613,
6150, 7216, 7218,	15323, 15952,	11617, 12038,
7223, 9869, 11490	15955, 16112,	12041, 12740,
\divide	16148, 16160,	12819, 12838,
5197, 7964, 9342,	16274, 16276,	12841, 12867,
9453, 9748, 9749,	17202, 17211,	14198, 14241,
12967, 12968, 16146	17212, 17602,	14645, 15212,
\do 321, 322,	17808, 17815, 17886	15402, 15844,
323, 324, 325,	\dquad 6142, 6144	16115, 16141,
326, 1990, 3221,	\draw 17026,	16155, 16173,
3281, 3296, 3317,	17033, 17037,	16228, 16235,
3320, 4310, 4315,	17060, 17070,	16248, 16691,
4329, 4334, 4348,	17078, 17081,	16768, 16872,
4353, 4376, 4385,	17084, 17087,	16985, 17222,
6413, 9736, 11612	17099, 17104,	17227, 17236,



17251, 17255,	459, 508, 525,	2421, 2437, 2475,
17265, 17270,	528, 529, 549,	2483, 2491, 2495,
17279, 17285,	552, 567, 587,	2501, 2509, 2513,
17298, 17302,	598, 603, 614,	2535, 2542, 2579,
17488, 17500, 17605	618, 626, 630,	2783, 3001, 3025,
\egroup 188,	631, 635, 639,	3040, 3105, 3117,
189, 192, 377, 401,	642, 643, 648,	3149, 3160, 3198,
635, 1192, 1358,	659, 670, 684,	3210, 3211, 3228,
1359, 1476, 1914,	687, 688, 691,	3237, 3282, 3297,
1915, 2041, 5286,	701, 747, 756,	3300, 3327, 3328,
5497, 6153, 6226,	764, 788, 792,	3342, 3633, 3639,
7935, 9855, 9856,	794, 805, 808,	3828, 3831, 3834,
9870, 10319,	851, 862, 865,	3837, 3867, 4095,
10464, 10468,	868, 869, 875,	4101, 4133, 4139,
12445, 12910,	885, 888, 889,	4145, 4183, 4189,
12920, 12935,	892, 902, 913,	4368, 4762, 4763,
13066, 13071,	924, 932, 936,	5051, 5136, 5189,
13075, 13080,	945, 963, 998,	5202, 5211, 5301,
13084, 13088,	1007, 1015, 1039,	5322, 5347, 5359,
13092, 13096,	1043, 1045, 1056,	5427, 5447, 5448,
13146, 13315,	1059, 1102, 1113,	5463, 5468, 5472,
13764, 16104,	1117, 1120, 1123,	5514, 5525, 5529,
16105, 16131,	1124, 1129, 1140,	5532, 5535, 5536,
16138, 16872,	1151, 1166, 1169,	5541, 5552, 5561,
17324, 17329,	1170, 1173, 1183,	5575, 5578, 5579,
17333, 17338,	1187, 1188, 1192,	5583, 5595, 5650,
17342, 17346,	1212, 1247, 1256,	5659, 5667, 5690,
17350, 17354,	1264, 1288, 1292,	5701, 5705, 5708,
17402, 17410,	1294, 1305, 1308,	5711, 5712, 5717,
17411, 17593, 17594	1345, 1350, 1351,	5728, 5737, 5751,
\eightcolumnfootnotes	1364, 1369, 1370,	5754, 5755, 5759,
. 8842	1371, 1373, 1374,	5782, 5826, 5835,
\eightcolumnfootstyle	1377, 1378, 1379,	5843, 5865, 5876,
. 8937	1381, 1382, 1383,	5878, 5899, 5910,
\eject 6658,	1384, 1385, 1386,	5951, 5962, 5965,
10395, 10464, 10484	1387, 1390, 1391,	6014, 6029, 6032,
\else 4,	1392, 1412, 1413,	6033, 6060, 6074,
12, 13, 25, 36, 84,	1414, 1415, 1416,	6083, 6090, 6112,
100, 112, 130, 132,	1417, 1419, 1420,	6142, 6147, 6149,
147, 151, 155, 163,	1421, 1422, 1423,	6166, 6167, 6168,
180, 205, 213, 214,	1546, 1548, 1557,	6169, 6190, 6194,
230, 245, 293,	1648, 1650, 1659,	6241, 6246, 6284,
307, 311, 338,	1860, 1866, 1872,	6285, 6291, 6309,
343, 348, 349,	1887, 1971, 1979,	6332, 6355, 6378,
350, 352, 353,	1984, 1994, 2049,	6403, 6404, 6406,
356, 357, 358,	2075, 2085, 2090,	6418, 6423, 6425,
360, 361, 362,	2105, 2107, 2302,	6427, 6435, 6446,
363, 364, 367,	2303, 2304, 2306,	6458, 6471, 6485,
368, 369, 393,	2342, 2367, 2370,	6501, 6518, 6526,
399, 445, 456,	2389, 2397, 2413,	6549, 6567, 6594,



6598, 6613, 6620,
6639, 6649, 6661,
6670, 6684, 6696,
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6778, 6787, 6879,
6961, 6975, 7020,
7024, 7026, 7041,
7045, 7047, 7056,
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7085, 7093, 7113,
7118, 7127, 7135,
7139, 7145, 7165,
7174, 7181, 7198,
7222, 7227, 7241,
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7313, 7314, 7319,
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7763, 7810, 7884,
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15413,	15430,	16255,	16256,	16849,	16857,
15431,	15432,	16258,	16259,	16863,	16880,
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16036,	16072,	16711,	16733,	17556,	17559,
16089,	16123,	16751,	16752,	17562,	17565,
16137,	16145,	16753,	16758,	17568,	17569,



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17582,	17598,	4029, 4030, 4646,	15831,	16197,
17615,	17620,	4702, 4709, 4716,	16373,	17026,
17621,	17622,	4723, 4730, 4741,	17033,	17043,
17623,	17624,	4749, 4876, 4877,	17048,	17061,
17625,	17626,	5013, 5056, 5078,	17068,	17071,
17627,	17630,	5469, 5662, 5670,	17090,	17107,
17631,	17635,	5673, 5838, 5846,	17114, 17120, 17122	
17637,	17642,	5849, 5878, 5890,	\end@dblfloat	14281
17654,	17672,	5930, 5933, 5936,	\end@float	
17696,	17703,	6001, 6004, 6308,	. 3699, 4022, 14232	
17709,	17747,	6318, 6331, 6341,	\end@rot@dblfloat .	14236
17753,	17791,	6354, 6364, 6377,	\end@rot@float	
17793,	17803,	6387, 6873, 6982,	14193, 14234, 14235	
17819,	17821,	6994, 7002, 7266,	\endarray	377,
17824,	17828,	7340, 7469, 7472,	401, 1358, 1359,	
17837,	17860,	7475, 7534, 7537,	16131, 16136, 17402	
17865,	17883,	7564, 7567, 7570,	\endBCmd	1811
17893,	17907,	7635, 7638, 7726,	\endbidi@lrbox . . .	17510
17914,	17915,	9649, 9652, 9655,	\endbidi@tabular@RTLcases	
18018, 18026, 18032		9714, 9717, 9857,	. 17402, 17410, 17419	
\em	4855	10792, 10810,	\endcsname	8,
\email	324, 2238	10912, 10928,	43, 56, 71, 162,	
\emaillink		11019, 11499,	164, 209, 252,	
. . 2320, 6894, 6992		12273, 13445,	265, 279, 335,	
\emailsymbol		13453, 13456,	336, 378, 1360,	
. . 2198, 6894, 6992		13526, 13529,	1877, 1878, 1892,	
\empty	10735, 16042	13584, 13592,	1893, 1920, 1923,	
\end 168, 170, 193, 424,		13595, 13672,	1926, 1942, 1950,	
427, 430, 495,		13675, 13680,	1958, 2013, 2071,	
498, 759, 767,		13681, 13682,	2384, 2385, 2408,	
770, 840, 843,		13838, 13841,	2409, 2436, 2464,	
1010, 1018, 1021,		13844, 13916,	2468, 2472, 2474,	
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1267, 1270, 1341,		14030, 14095,	2487, 2488, 2530,	
1344, 1349, 1350,		14098, 14194,	2540, 2546, 2547,	
1351, 1809, 1820,		14237, 14403,	2549, 2550, 2552,	
1821, 2286, 2288,		14418, 14425,	2553, 2555, 2591,	
2290, 2292, 2294,		14431, 14435,	2592, 2614, 2615,	
2298, 2306, 2309,		14443, 14515,	2670, 2671, 2672,	
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2391, 2392, 2398,		14632, 14914,	2681, 2682, 2765,	
2405, 2413, 2415,		14929, 14936,	2766, 2769, 2770,	
2416, 2422, 2958,		14942, 14946,	2945, 2947, 2959,	
2964, 2984, 2990,		14954, 15026,	2961, 2999, 3002,	
3673, 3674, 3679,		15043, 15053,	3007, 3023, 3026,	
3682, 3753, 3754,		15199, 15589,	3028, 3038, 3041,	
3761, 3762, 3769,		15604, 15611,	3043, 3050, 3054,	



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3283, 3285, 3291,	9977, 9979, 9981,	16988, 16990,
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3558, 3850, 3851,	9986, 9987, 9988,	16998, 17441,
3858, 3859, 4259,	10045, 10069,	17496, 17596, 17964
4450, 4467, 4484,	10087, 10173,	\enddocument 2929
4515, 4544, 4573,	10182, 10200,	\endflushleft 1831, 1839
4815, 5341, 5376,	10216, 10231,	\endgraf 2080,
5379, 5382, 5396,	10258, 10271,	2084, 12027,
5403, 5410, 5418,	10284, 10331,	14801, 15368, 16000
5419, 5457, 5482,	10346, 11026,	\endgroup . . . 17, 123,
5483, 6254, 6260,	11029, 11031,	218, 312, 319, 375,
6268, 6275, 6792,	11035, 11039,	391, 465, 517, 531,
7770, 7786, 7802,	11053, 11064,	668, 690, 814,
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8420, 8430, 8440,	16107, 16134,	3174, 3338, 3437,
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8509, 8510, 8518,	16190, 16192,	4287, 4289, 4517,
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9400, 9414, 9428,	16913, 16921,	11055, 11066,



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13346,	13369,	\endlist 92,		17410,	17558,
13500,	13641,	301, 583, 714,		17561,	17564,
13717,	13740,	945, 976, 1225,		17581,	17593,
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13946,	14065,	5608, 5795, 6106,		17837,	17839,
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14471,	14566,	12731, 13400,		17906, 17909, 17917	
14575,	14602,	13793, 13989,		\endrotate 14296	
14633,	14770,	14191, 14674,		\endRTL 13101, 17359	
14982,	15077,	15241, 15873, 16391		\ends@math 6139	
15081,	15104,	\endlongtable 2059		\endsideways 14314	
15108,	15136,	\endLTR 13099, 17357		\endsidewaysfigure 14234	
15140,	15200,	\endMakeFramed 10381		\endsidewaystable 14235	
15337,	15657,	\endmath 6139		\endstabular 16104, 16107	
15752,	15756,	\endmdf@lrbox 12085		\endstrip 12444	
15784,	15788,	\endminipage 7923, 10308		\endtabular 377,	
15832,	15969,	\endmodernpoem 5483		378, 1359, 1360,	
16211,	16315,	\endpgfpicture 12876		1914, 16131, 16134,	
16493,	16766,	\endpspicture 13140		16218, 17593, 17596	
16894,	17204,	\endR 338, 343,		\endtabularx	
17237,	17280,	377, 401, 1358,		16169, 16198, 16209	
17299,	17400,	1359, 1476, 1914,		\endtitlepage 625,	
17501,	17666,	1915, 2105, 2108,		931, 1182, 5591,	
17693, 17842, 17850		6147, 6226, 6242,		5778, 13305, 13754	
\endL 1487,		6247, 6249, 6281,		\endtraditionalpoem 5419	
2331, 6237, 6246,		7171, 7956, 7960,		\endtrivlist 9871	
6247, 6256, 6262,		9353, 9377, 9403,		\endturn 14286	
6281, 9353, 9365,		9431, 9763, 9765,		\endwindow 12933	
9403, 9417, 9755,		9766, 9767, 9768,		\enskip 16879, 16904	
9763, 9765, 9766,		9770, 9771, 9772,		\enspace 310, 12927, 12929	
9767, 9768, 9770,		9875, 10584,		\env@RTLcases 17417, 17421	
9771, 9772, 9856,		10637, 10676,		\EQ 7213, 7219, 7220,	
9870, 10017,		10683, 11032,		7224, 7225, 7234,	
10587, 10605,		11040, 11424,		7235, 7237, 7239,	
10615, 10630,		11433, 11436,		7240, 7242, 7243,	



7244, 7245, 7247, 7248, 7249, 7261, 7264, 7266, 7268, 7269, 7271, 7274, 7276, 7278, 7279, 7281, 7282, 7284, 7287, 7288, 7289, 7292, 7295, 7303, 7310, 7318, 7325, 7327, 7330, 7334, 7335, 7336, 7337, 7349, 7351, 7352	\backslash eq@addpunct 6144	\backslash everyhbox . . . 13065, 13067, 13074, 13076, 17323, 17325, 17332, 17334	2408, 2409, 2413, 2416, 2436, 2438, 2443, 2463, 2464, 2467, 2468, 2472, 2474, 2478, 2482, 2484, 2488, 2489, 2490, 2492, 2493, 2496, 2500, 2502, 2507, 2508, 2510, 2511, 2514, 2523, 2530, 2534, 2536, 2539, 2540, 2541, 2543, 2546, 2547, 2549, 2550, 2552, 2553, 2555, 2559, 2586, 2587, 2588, 2589, 2590, 2592, 2615, 2619, 2670, 2671, 2672, 2673, 2679, 2680, 2681, 2682, 2765, 2766, 2780, 2781, 2782, 2784, 2791, 2792, 2795, 2810, 2817, 2826, 2998, 2999, 3000, 3003, 3006, 3022, 3023, 3037, 3038, 3050, 3055, 3060, 3070, 3086, 3089, 3115, 3158, 3220, 3229, 3241, 3243, 3244, 3284, 3294, 3295, 3316, 3333, 3344, 3346, 3473, 3474, 4277, 4815, 5245, 5377, 5380, 5383, 5386, 5389, 5392, 5418, 5419, 5482, 5483, 5497, 5649, 5658, 5666, 5825, 5834, 5842, 6109, 6211, 6253, 6274, 7936, 8075, 8076, 8216, 8217, 8362, 8363, 8509, 8510, 8656, 8657, 8803, 8804, 8950, 8951, 9097, 9098, 9244, 9245, 9343, 9448,
\backslash EQ@box 6149, 6155	\backslash eq@group 6112, 6121	\backslash everyjob 1521, 1522, 1638, 1639	
\backslash eq@GRP@first@dmath 6121	\backslash eq@if . 2459, 2460, 2462	\backslash everymath 341	
\backslash eq@isIntertext . . 6159	\backslash eq@prelim . . 6112, 6129	\backslash everypar 515, 666, 909, 1147, 4133, 4177, 4221, 5558, 5734, 6020, 7653, 9570, 9762, 13057, 13061, 13252, 13266, 13345, 13716, 13930, 14114, 14571, 16486, 16490, 17315, 17319, 17741, 17785	
\backslash eq@setnumber 6115	\backslash eq@setup@a 6117	\backslash everyvbox . . . 1362, 1363, 13083, 13085, 13091, 13093, 17341, 17343, 17349, 17351	
\backslash eq@startup 6118	\backslash eq@wdCond 6136	\backslash ExecuteOptions 2147, 3542, 4923, 4925, 6814, 6912	
\backslash eqnewif 1530, 1531, 1533, 1541, 2455	\backslash eqno 329, 13131, 13133, 17912, 17914	\backslash exhyphenpenalty 617, 923, 1116, 5528, 5704, 13297, 13746, 13807	
\backslash eqnumform 6147	\backslash eqstyle 6114	\backslash expandafter . . . 162, 354, 378, 746, 755, 763, 789, 792, 997, 1006, 1014, 1040, 1043, 1246, 1255, 1263, 1289, 1292, 1360, 1375, 1457, 1458, 1459, 1461, 1859, 1861, 1865, 1867, 1871, 1873, 1877, 1878, 1886, 1888, 1892, 1893, 1917, 1921, 1924, 1927, 1931, 1934, 1937, 1988, 1989, 2042, 2070, 2378, 2380, 2384, 2385, 2389, 2392, 2402, 2404,	
\backslash equal 2296, 2313, 2317, 2321, 3687, 3721, 3732, 3758, 3759, 3775, 3816, 4074, 4316, 4317, 4335, 4336, 4354, 4355, 4386, 4387, 6981, 9965	\backslash errmessage 1558, 1660, 12532		
\backslash escapechar . . 2364, 2456, 2461, 2558	\backslash ESO@isMEMOIR 7176		
\backslash evenpage 1666, 1669, 1670, 1671, 1673, 1674, 1675, 1676, 1678	\backslash evensidemargin 1690, 7199, 17861		
\backslash everycr 12017	\backslash everydisplay 6109		



\feetabovelfloat ...	1169, 1170, 1175,	3427, 3438, 3635,
..... 9555, 9556	1188, 1191, 1192,	3641, 3828, 3831,
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\ff@frametype 9973, 9984	1290, 1292, 1307,	4133, 4141, 4150,
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.. 9965, 9966, 9976	1353, 1356, 1358,	4427, 4429, 4439,
\fi 12, 13,	1359, 1364, 1378,	4762, 4763, 4880,
18, 25, 36, 84, 94,	1379, 1393, 1394,	4881, 4882, 5060,
100, 103, 104, 105,	1408, 1416, 1417,	5138, 5190, 5203,
113, 130, 132, 138,	1423, 1424, 1428,	5211, 5242, 5243,
146, 150, 154, 158,	1433, 1436, 1441,	5298, 5299, 5303,
165, 180, 213, 214,	1444, 1452, 1453,	5310, 5315, 5324,
219, 224, 230,	1462, 1463, 1475,	5353, 5364, 5366,
233, 234, 235,	1476, 1487, 1549,	5369, 5371, 5425,
245, 293, 307,	1550, 1557, 1558,	5427, 5431, 5450,
311, 330, 338,	1566, 1572, 1584,	5452, 5453, 5454,
343, 357, 358,	1590, 1596, 1602,	5465, 5467, 5468,
370, 371, 372,	1608, 1651, 1652,	5477, 5479, 5516,
374, 377, 393,	1659, 1660, 1862,	5525, 5529, 5535,
399, 401, 458,	1868, 1874, 1889,	5536, 5541, 5544,
463, 501, 508,	1899, 1910, 1914,	5552, 5560, 5567,
516, 518, 525,	1915, 1917, 1974,	5568, 5575, 5578,
528, 529, 532,	1975, 1981, 1996,	5579, 5585, 5595,
551, 552, 558,	1997, 2000, 2003,	5626, 5628, 5630,
567, 589, 598,	2006, 2010, 2011,	5642, 5652, 5661,
605, 614, 618,	2019, 2046, 2052,	5669, 5692, 5701,
631, 634, 635,	2053, 2056, 2073,	5705, 5711, 5712,
636, 642, 643,	2079, 2085, 2100,	5717, 5720, 5728,
648, 651, 659,	2101, 2105, 2106,	5736, 5743, 5744,
667, 669, 676,	2108, 2113, 2302,	5751, 5754, 5755,
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688, 693, 701,	2334, 2342, 2373,	5804, 5806, 5818,
739, 749, 758,	2374, 2389, 2399,	5828, 5837, 5845,
766, 790, 792,	2413, 2423, 2432,	5865, 5871, 5872,
807, 812, 846,	2439, 2477, 2485,	5876, 5878, 5901,
853, 862, 868,	2494, 2497, 2503,	5910, 5964, 5969,
869, 875, 878,	2512, 2515, 2537,	6007, 6014, 6022,
885, 888, 889,	2544, 2581, 2616,	6029, 6032, 6033,
894, 902, 910,	2767, 2785, 3004,	6037, 6047, 6049,
912, 919, 920,	3030, 3044, 3056,	6051, 6060, 6066,
924, 944, 945,	3071, 3107, 3119,	6067, 6074, 6085,
946, 963, 990,	3151, 3162, 3216,	6090, 6108, 6110,
1000, 1009, 1017,	3218, 3219, 3248,	6111, 6112, 6120,
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1063, 1097, 1104,	3264, 3266, 3287,	6147, 6149, 6164,
1113, 1117, 1123,	3288, 3290, 3304,	6166, 6168, 6171,
1124, 1129, 1132,	3305, 3307, 3308,	6190, 6194, 6200,
1140, 1148, 1150,	3323, 3336, 3337,	6212, 6213, 6225,
1157, 1158, 1166,	3345, 3362, 3417,	6226, 6237, 6241,



6242, 6246, 6247,
6249, 6256, 6262,
6281, 6284, 6285,
6291, 6296, 6319,
6342, 6365, 6388,
6403, 6406, 6407,
6423, 6427, 6428,
6430, 6452, 6455,
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6497, 6507, 6509,
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6573, 6576, 6583,
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6669, 6678, 6683,
6684, 6728, 6737,
6740, 6747, 6761,
6769, 6775, 6780,
6782, 6783, 6784,
6785, 6799, 6834,
6841, 6848, 6855,
6880, 6929, 6935,
6941, 6947, 6961,
6976, 7022, 7025,
7026, 7043, 7046,
7047, 7072, 7088,
7089, 7091, 7100,
7109, 7110, 7129,
7142, 7143, 7152,
7161, 7162, 7165,
7171, 7174, 7185,
7188, 7200, 7206,
7226, 7245, 7246,
7260, 7301, 7302,
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7316, 7317, 7323,
7324, 7325, 7326,
7334, 7335, 7336,
7337, 7338, 7339,
7367, 7380, 7383,
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7400, 7407, 7408,
7414, 7421, 7431,
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7696, 7701, 7721,

7724, 7727, 7729,
7736, 7737, 7741,
7763, 7810, 7889,
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7931, 7955, 7956,
7959, 7960, 7962,
7981, 7991, 8026,
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8415, 8425, 8460,
8477, 8562, 8572,
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8719, 8753, 8771,
8856, 8866, 8901,
8918, 9003, 9013,
9048, 9065, 9150,
9160, 9195, 9212,
9303, 9314, 9323,
9353, 9403, 9524,
9542, 9549, 9564,
9572, 9579, 9582,
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9803, 9805, 9823,
9839, 9841, 9852,
9859, 9875, 9897,
9905, 9909, 9923,
9930, 9992, 9994,
9996, 10005,
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10022, 10037,
10051, 10075,
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10735, 10739,
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10919, 10927,
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10998, 10999,



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11410,	11413,	11971,	11974,	12851,	12852,
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11638,	11639,	12219,	12220,	13042,	13056,
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11795,	11798,	12353,	12367,	13166,	13171,
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13354,	13355,	14297,	14302,	15092,	15093,
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13726,	13733,	14593,	14597,	15335,	15336,
13736,	13737,	14605,	14606,	15344,	15350,
13743,	13747,	14608,	14609,	15363,	15373,
13760,	13763,	14610,	14626,	15391,	15397,
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13776,	13780,	14680,	14685,	15431,	15432,
13808,	13877,	14690,	14693,	15433,	15434,
13882,	13918,	14694,	14695,	15435,	15436,
13924,	13932,	14697,	14724,	15437,	15444,
13939,	13942,	14748,	14749,	15446,	15450,
13943,	13947,	14750,	14768,	15452,	15456,
13948,	13949,	14769,	14777,	15458,	15462,
13960,	13962,	14783,	14796,	15464,	15468,
13964,	13973,	14806,	14824,	15470,	15474,
13996,	14005,	14830,	14857,	15476,	15480,
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14131,	14141,	14947,	14952,	15532,	15541,
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14154,	14159,	14975,	14980,	15561,	15584,
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14258,	14259,	15052,	15065,	15640,	15650,
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15702,	15709,	16501,	16502,	16932,	16936,
15712,	15727,	16503,	16511,	16940,	16944,
15740,	15741,	16514,	16515,	16948,	16952,
15743,	15746,	16523,	16524,	16956,	16961,
15747,	15757,	16525,	16526,	16969,	16972,
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15770,	15771,	16541,	16542,	16984,	16991,
15774,	15778,	16543,	16551,	17014,	17020,
15789,	15790,	16554,	16558,	17031,	17036,
15792,	15793,	16559,	16560,	17042,	17044,
15824,	15828,	16568,	16571,	17051,	17054,
15835,	15851,	16575,	16576,	17067,	17076,
15872,	15879,	16577,	16585,	17089,	17092,
15884,	15889,	16588,	16592,	17103,	17109,
15892,	15893,	16593,	16594,	17110,	17116,
15894,	15896,	16602,	16605,	17121,	17124,
15923,	15947,	16609,	16610,	17138,	17143,
15948,	15949,	16611,	16619,	17146,	17147,
15967,	15968,	16622,	16627,	17148,	17149,
15976,	15982,	16628,	16629,	17153,	17156,
15995,	16005,	16637,	16640,	17158,	17164,
16023,	16029,	16646,	16647,	17165,	17179,
16034,	16037,	16648,	16656,	17189,	17190,
16079,	16095,	16659,	16666,	17197,	17202,
16099,	16100,	16667,	16668,	17205,	17208,
16104,	16105,	16676,	16679,	17209,	17212,
16123,	16131,	16693,	16701,	17213,	17215,
16138,	16145,	16702,	16703,	17224,	17225,
16152,	16158,	16711,	16714,	17229,	17235,
16163,	16194,	16736,	16751,	17241,	17242,
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16268,	16269,	16765,	16767,	17252,	17256,
16285,	16303,	16774,	16776,	17267,	17268,
16310,	16312,	16789,	16790,	17272,	17278,
16327,	16338,	16791,	16798,	17290,	17291,
16341,	16348,	16802,	16807,	17292,	17295,
16349,	16350,	16811,	16817,	17309,	17314,
16355,	16359,	16823,	16827,	17366,	17367,
16360,	16375,	16833,	16836,	17370,	17374,
16397,	16404,	16838,	16839,	17375,	17410,
16422,	16423,	16840,	16843,	17426,	17437,
16439,	16440,	16846,	16849,	17456,	17464,
16441,	16445,	16850,	16859,	17470,	17476,
16446,	16455,	16865,	16874,	17482,	17483,
16459,	16460,	16875,	16883,	17489,	17494,
16461,	16467,	16889,	16893,	17497,	17517,
16470,	16471,	16896,	16897,	17518,	17526,
16472,	16480,	16908,	16909,	17527,	17535,
16491,	16492,	16919,	16920,	17536,	17544,



17545,	17553,	\firstnamecolour ..	\FN@sfgobble@twobrace
17554,	17555,	.. 2200, 6819, 6915	..... 1880, 1883
17556,	17559,	\firstnamefont	\fnch@everypar ... 9762
17562,	17565,	2209, 2217, 6857,	\font 16046, 16047
17568,	17569,	6858, 6949, 6952	\fontdimen . 16046, 16047
17570,	17571,	\firstnamestyle 2217,	\fontsize
17573,	17575,	6869, 6959, 6980	305, 5008, 5010,
17576,	17583,	\fivecolumnfootnotes	5012, 6857, 6949
17586,	17588,	..... 8401	\foo 12834,
17589,	17593,	\fivecolumnfootstyle	12836, 12846, 12848
17594,	17598,	..... 8496	\footdir@abspage ..
17614,	17615,	\flnew@within 9882	..... 10062,
17623,	17624,	\float@newx 9876	10065, 10066,
17627,	17628,	\floatalignment 3691,	10069, 10070, 10073
17629,	17630,	3692, 3733,	\footdir@debug 10034,
17631,	17637,	3734, 3750, 3757,	10042, 10046,
17642,	17650,	3765, 3816, 4027	10049, 10059,
17665,	17667,	\FloatBarrier 3663, 4007	10066, 10070, 10073
17690,	17694,	\floatc@bidi@tuftefloatplain	\footdir@debugfalse 1595
17696,	17705,	... 4025, 4035,	\footdir@debugtrue
17714,	17749,	4042, 4048, 4056	..... 1593, 10032
17758,	17790,	\floatc@bidi@tuftefloatplain	\footdir@fntext ...
17793,	17794,	..... 4042	10080, 10097, 10099
17795,	17796,	\floatc@bidi@tuftefloatrule	\footdir@LeftRightElse
17797,	17805,	..... 4043	10040, 10056, 10133
17819,	17823,	\floatc@plain 9873	\footdir@name
17824,	17828,	\floatingpenalty ..	10083, 10086, 10087
17836,	17837,	. 40, 53, 68, 249,	\footdir@ORG@bidi@amsart@footnotetext
17838,	17839,	262, 276, 7031,	..... 76
17840,	17856,	7052, 7099, 7106,	\footdir@ORG@bidi@amsart@LTRfootnotetext
17862,	17863,	7151, 7158, 7909,	..... 78
17864,	17866,	10197, 10213, 10228	\footdir@ORG@bidi@amsart@RTLfootnotetext
17867,	17868,	\floatstyle 4076	..... 77
17883,	17893,	\flushleft .. 1828, 1837	\footdir@ORG@bidi@amsbook@footnotetext
17906,	17909,	\FN@sfg@footnote ..	..... 285
17910,	17914,	..... 1855, 1859	\footdir@ORG@bidi@amsbook@LTRfootnotetext
17915,	17917,	\FN@sfg@footnotemark	..... 287
17925,	17927,	..... 1884, 1886	\footdir@ORG@bidi@amsbook@RTLfootnotetext
18022,	18028, 18034	\FN@sfg@LTRfootnote	..... 286
\figcaption 10784, 10802		..... 1856, 1865	\footdir@ORG@bidi@footnotetext
\fill 5053, 5057,		\FN@sfg@RTLfootnote	..... 10246
6166, 6168, 6170,		..... 1857, 1871	\footdir@ORG@bidi@LTRfootnotetext
10819, 11014,		\FN@sfgobble@bracket	..... 10248
11969, 11971, 11973		..... 1895, 1898	\footdir@ORG@bidi@RTLfootnotetext
\filright .. 16290, 16319		\FN@sfgobble@opt ..	..... 10247
\FirstFrameCommand		..... 1861,	\footdir@temp
..... 10372, 10418		1867, 1873, 1876	. 76, 77, 78, 285,
\firstmark ... 9789,		\FN@sfgobble@optonly	286, 287, 10092,
9821, 9962, 17900		..... 1888, 1891	10246, 10247, 10248
\firstname 2231			



\footdir@toks	8137, 8146, 8259,	10149, 10151, 10577
.. 10033, 10100,	8260, 8268, 8278,	\footnotes 4408
10101, 10102, 10106	8288, 8406, 8407,	\footnotesep 29,
\footdir@write	8415, 8425, 8435,	31, 39, 45, 52,
10027, 10057, 10096	8553, 8554, 8562,	58, 67, 73, 239,
\footersymbol . 6876,	8572, 8582, 8700,	241, 248, 254,
6877, 6892,	8701, 8709, 8719,	261, 267, 275,
6893, 6894, 6895	8729, 8847, 8848,	281, 7028, 7049,
\footfootmark . 7879,	8856, 8866, 8876,	7074, 7131, 7773,
8018, 8021, 8024,	8994, 8995, 9003,	7789, 7805, 7819,
8162, 8165, 8168,	9013, 9023, 9141,	7832, 7845, 7910,
8305, 8308, 8311,	9142, 9150, 9160,	10196, 10204,
8452, 8455, 8458,	9170, 9330, 9331,	10212, 10220,
8599, 8602, 8605,	9344, 9356, 9368	10227, 10235,
8746, 8749, 8752,	\footmarksep 7876	10261, 10274, 10287
8893, 8896, 8899,	\footmarkstyle 7878, 7891	\footnotesize . . . 37,
9040, 9043, 9046,	\footmarkwidth 7875,	50, 65, 102,
9187, 9190, 9193,	7880, 7881, 7883,	232, 246, 259,
9383, 9387, 9391	7885, 7888, 7892	273, 408, 730,
\footfudgefactor . .	\footnote 412,	981, 1230, 2309,
.. 9294, 9343, 9454	486, 734, 833,	2331, 3571, 3572,
\footfudgefiddle . .	985, 1084, 1234,	3610, 4223, 4417,
..... 9324, 9342	1334, 1855, 1858,	4446, 4463, 4480,
\footins 35, 48,	4590, 4909, 4940,	5633, 5809, 5914,
63, 244, 257, 271,	5637, 5813, 5918,	7455, 7548, 7902,
2085, 7031, 7052,	5992, 7459, 7527,	7903, 7904, 9635,
7056, 7057, 7068,	7552, 7626, 9639,	10194, 10210,
7071, 7075, 7099,	9707, 12188,	10225, 10254,
7105, 7113, 7114,	12191, 13420,	10267, 10280,
7125, 7128, 7132,	13519, 13557,	12927, 12929,
7151, 7157, 7762,	13663, 13816,	13416, 13553,
7778, 7794, 7906,	13904, 14012,	13812, 14008,
9531, 9535, 9545,	14086, 14389,	14385, 14896, 15571
10192, 10208,	14505, 14900,	\footnotetext . 1920,
10223, 10532,	15016, 15575, 15691	1931, 5376, 5386
10533, 10552, 10553	\footnotelayout . . .	\footparindent 7877, 7893
\footinsdim . . . . .	... 4411, 4412, 4415	\footrule 9769
... 7905, 7906,	\footnotemark . 1884,	\footrulewidth 2179, 3886
7946, 7972, 8075,	1885, 10321,	\footscript . . 7878,
8119, 8216, 8259,	10335, 12189, 12192	7882, 7886, 7888
8362, 8406, 8509,	\footnoterule	\footskip . . 9769, 17890
8553, 8656, 8700,	... 7010, 7072,	\foottextfont
8803, 8847, 8950,	7078, 7083, 7111,	... 7766, 7773,
8994, 9097, 9141,	7112, 7129, 7133,	7813, 7819, 7902,
9244, 9330, 9448	7137, 7163, 7164,	7968, 7983, 8018,
\footinsv@r . . 7899,	7757, 7918, 7929,	8029, 8115, 8130,
7943, 7944, 7945,	7942, 9509, 9534,	8162, 8173, 8255,
7946, 7972, 7973,	10024, 10121,	8270, 8305, 8316,
7981, 7991, 8001,	10125, 10128,	8402, 8417, 8452,
8119, 8120, 8128,	10143, 10148,	8463, 8549, 8564,



1326, 1452, 1453,
1707, 1708, 1709,
1710, 1711, 1712,
1713, 1714, 1715,
1716, 1717, 1899,
1917, 1918, 1921,
1924, 1927, 1931,
1934, 1937, 2016,
2020, 2042, 2082,
2102, 2103, 2111,
2366, 2378, 2402,
3549, 3558, 3692,
3736, 3737, 3743,
4103, 4114, 4117,
4147, 4158, 4161,
4191, 4202, 4205,
4247, 4259, 5023,
5220, 5223, 5241,
5245, 5261, 5272,
5298, 5299, 5326,
5339, 5340, 5368,
5377, 5380, 5383,
5386, 5389, 5392,
5424, 5434, 5448,
5450, 5455, 5456,
5462, 5463, 5465,
5485, 5497, 5499,
5557, 5558, 5675,
5676, 5677, 5678,
5679, 5680, 5681,
5682, 5683, 5684,
5733, 5734, 5851,
5852, 5853, 5854,
5855, 5856, 5857,
5858, 5859, 5860,
5938, 5939, 5940,
5941, 5942, 5943,
5944, 5945, 5946,
5947, 5948, 5949,
5967, 5973, 5974,
5975, 5976, 5977,
5978, 5979, 5980,
5981, 5982, 5983,
5984, 5985, 6019,
6020, 6111, 6121,
6122, 6123, 6124,
6125, 6126, 6127,
6128, 6136, 6149,
6154, 6158, 6206,
6433, 6434, 6436,

6459, 6469, 6470,
6472, 6502, 6560,
6568, 6578, 6588,
6597, 6599, 6600,
6603, 6606, 6616,
6630, 6631, 6633,
6635, 6636, 6638,
6644, 6645, 6648,
6650, 6651, 6654,
6657, 6662, 6671,
6679, 6724, 6732,
6742, 6751, 6753,
6762, 6764, 6765,
6768, 6771, 6781,
6789, 6790, 6797,
7023, 7030, 7044,
7051, 7063, 7071,
7075, 7092, 7095,
7103, 7108, 7120,
7128, 7132, 7144,
7147, 7155, 7160,
7341, 7477, 7478,
7479, 7480, 7481,
7482, 7483, 7484,
7485, 7486, 7504,
7510, 7511, 7512,
7513, 7514, 7515,
7516, 7517, 7518,
7519, 7520, 7572,
7573, 7574, 7575,
7576, 7577, 7578,
7579, 7580, 7581,
7582, 7583, 7601,
7607, 7608, 7609,
7610, 7611, 7612,
7613, 7614, 7615,
7616, 7617, 7618,
7619, 7652, 7653,
7810, 7823, 7836,
7962, 8026, 8038,
8051, 8091, 8170,
8181, 8193, 8231,
8313, 8325, 8338,
8378, 8460, 8472,
8485, 8525, 8607,
8619, 8632, 8672,
8754, 8766, 8779,
8819, 8901, 8913,
8926, 8966, 9048,
9060, 9073, 9113,

9195, 9207, 9220,
9260, 9285, 9299,
9393, 9407, 9421,
9470, 9512, 9554,
9569, 9570, 9657,
9658, 9659, 9660,
9661, 9662, 9663,
9664, 9665, 9666,
9684, 9690, 9691,
9692, 9693, 9694,
9695, 9696, 9697,
9698, 9699, 9700,
9776, 9777, 9786,
9792, 9808, 9809,
9818, 9825, 9892,
9895, 9928, 9931,
9933, 9939, 9940,
9959, 10251,
10252, 10264,
10265, 10277,
10278, 10530,
10531, 10532,
10533, 10535,
10550, 10551,
10552, 10553,
10555, 11176,
11177, 11179,
11180, 11181,
11182, 11215,
11229, 11253,
11267, 11300,
11331, 11362,
11652, 12008,
12009, 12039,
12042, 12121,
12122, 12123,
12124, 12125,
12126, 12127,
12128, 12129,
12146, 12241,
12277, 12278,
12279, 12282,
12284, 12286,
12287, 12289,
12294, 12302,
12304, 12312,
12313, 12314,
12315, 12317,
12318, 12321,
12322, 12350,



12351,	12359,	13655,	13715,	15001,	15002,
12360,	12361,	13716,	13846,	15003,	15004,
12364,	12366,	13847,	13848,	15005,	15006,
12368,	12369,	13849,	13850,	15007,	15008,
12371,	12376,	13851,	13852,	15009,	15010,
12384,	12386,	13853,	13854,	15011,	15012,
12394,	12395,	13855,	13856,	15329,	15383,
12396,	12397,	13857,	13880,	15385,	15653,
12399,	12400,	13886,	13887,	15665,	15666,
12403,	12404,	13888,	13889,	15667,	15668,
12429,	12430,	13890,	13891,	15669,	15670,
12436,	12437,	13892,	13893,	15671,	15672,
12449,	12450,	13894,	13895,	15673,	15674,
12451,	12452,	13896,	13897,	15675,	15676,
12453,	12454,	13898,	13929,	15677,	15678,
12456,	12462,	13930,	14032,	15679,	15680,
12534,	12551,	14033,	14034,	15681,	15682,
12557,	12571,	14035,	14036,	15683,	15684,
12579,	12714,	14037,	14038,	15685,	15686,
12866,	12883,	14039,	14040,	15687,	15961,
12884,	12885,	14041,	14042,	16015,	16017,
12886,	12894,	14043,	14061,	16137,	16141,
12901,	12934,	14067,	14068,	16142,	16143,
12958,	12959,	14069,	14070,	16160,	16172,
12960,	13144,	14071,	14072,	16177,	16181,
13192,	13344,	14073,	14074,	16193,	16230,
13345,	13458,	14075,	14076,	16232,	16237,
13459,	13460,	14077,	14078,	16239,	16485,
13461,	13462,	14079,	14113,	16486,	16489,
13463,	13464,	14114,	14467,	16490,	16986,
13465,	13466,	14479,	14480,	17134,	17142,
13467,	13496,	14481,	14482,	17152,	17155,
13502,	13503,	14483,	14484,	17199,	17436,
13504,	13505,	14485,	14486,	17587,	17652,
13506,	13507,	14487,	14488,	17653,	17654,
13508,	13509,	14489,	14490,	17670,	17671,
13510,	13511,	14491,	14492,	17673,	17711,
13512,	13597,	14493,	14494,	17722,	17725,
13598,	13599,	14495,	14496,	17755,	17766,
13600,	13601,	14497,	14498,	17769,	17797,
13602,	13603,	14499,	14500,	17806,	17807,
13604,	13605,	14501,	14570,	17808,	17809,
13606,	13607,	14571,	14762,	17811,	17814,
13608,	13637,	14816,	14818,	17815,	17829,
13643,	13644,	14978,	14990,	17834,	17845,
13645,	13646,	14991,	14992,	17846,	17855,
13647,	13648,	14993,	14994,	17897,	17898, 17908
13649,	13650,	14995,	14996,	\glossary . . .	9949, 17874
13651,	13652,	14997,	14998,	\Gm@vrule	10703,
13653,	13654,	14999,	15000,		10704, 10705,



10707, 10708,	11388, 11402, 11419	14601, 14728,
10709, 10712,	\H@@footnotetext ..	14768, 15075,
10713, 10714,	..... 11048,	15102, 15134,
10717, 10718, 10719	11059, 11128,	15295, 15335,
\Gm@vrules@mpi .. 10700	11192, 11306,	15750, 15782,
\Gm@vrules@mpii .. 10710	11389, 11405, 11419	15927, 15967,
\Grot@box 10587, 14291,	\H@mpfootnotetext	16082, 16748,
14302, 14309, 14319	..... 11057,	16862, 16899,
\Grot@box@std ... 10582	11091, 11095, 11196	16901, 16967,
\Grot@setangle	\H@refstepcounter 11465	16974, 16976,
.. 10583, 14284,	\halign 5260, 12011	17386, 17570,
14294, 14305, 14312	\hangafter . 6296, 12214	17571, 17648,
\Grot@x 10585, 14289,	\hangindent	17675, 17676,
14299, 14307, 14317	.. 103, 104, 105,	17681, 17818,
\Grot@y 10586, 14290,	233, 234, 235,	17883, 17893, 17909
14300, 14307, 14318	641, 867, 1122,	\hbadness
\grp@aligned 6127	4880, 4881, 4882,	4058, 7016, 7037,
\GRP@box 6122, 6154, 6156	5534, 5710, 6200,	16213, 16215,
\grp@eqs@numbered 6126	6296, 12207,	17073, 17074, 17091
\grp@hasNumber 6131	12213, 13321,	\hbox . 15, 28, 176, 216,
\GRP@label 6123	13692, 17573, 17927	238, 340, 374,
\grp@linewidth ... 6125	\hb@xt@ . 451, 511, 530,	382, 399, 539,
\GRP@queue .. 6122, 6158	662, 689, 890,	648, 724, 875,
\grp@setnumber 6131	905, 1051, 1143,	958, 1129, 1203,
\grp@shiftnumber . 6128	1171, 1701, 5555,	1404, 1463, 1900,
\grp@wdL 6124	5580, 5731, 5756,	2105, 2108, 3668,
\grp@wdNum 6125	5957, 6017, 6034,	3750, 3752, 3757,
\grp@wdR 6124	6286, 6474, 6475,	3790, 3791, 3800,
\grp@wdT 6124	6480, 6538, 6542,	3807, 4027, 4060,
\Gscale@box	6545, 6550, 6555,	4378, 4417, 4444,
10588, 10680, 10697	6715, 6716, 6720,	4461, 4478, 4599,
\Gscale@div	7385, 7397, 7494,	4608, 4617, 5052,
10679, 10686, 10689	7591, 7650, 7881,	5060, 5179, 5229,
\Gscale@end 10592, 10638	7888, 9567, 9584,	5233, 5244, 5261,
\Gscale@start	9674, 9827, 9828,	5272, 5485, 5499,
..... 10592, 10638	9832, 9850, 9865,	5541, 5618, 5717,
\Gscale@x . 10590, 10636	9969, 10601,	5771, 6044, 6155,
\Gscale@y . 10590, 10636	10647, 10702,	6213, 6242, 6402,
\gsetboolean .. 3552,	10707, 10712,	6405, 6422, 6426,
3694, 3695, 3722,	10716, 11488,	6437, 6440, 6442,
3723, 3727, 3728,	11653, 12242,	7075, 7078, 7081,
4015, 4016, 4253	12328, 12333,	7132, 7133, 7135,
\gsetlength .. 3547,	12336, 12410,	7218, 7223, 7229,
3709, 3795, 4245,	12411, 12416,	7451, 7749, 9292,
4503, 4505, 4532,	12511, 13342,	9305, 9310, 9315,
4534, 4561, 4563	13367, 13713,	9320, 9492, 9499,
	13738, 13828,	9614, 9751, 9763,
	13871, 13944,	9764, 9768, 9770,
	14051, 14111,	9793, 9796, 9798,
	14128, 14564,	9869, 9873, 9875,
H		
\H@@footnotemark ..		
... 11089, 11195,		



9913, 9918, 10113,	17203, 17209,	6017, 6034, 6286,
10536, 10537,	17322, 17330,	6403, 6406, 6423,
10540, 10556,	17331, 17339,	6427, 6439, 6477,
10559, 10562,	17384, 17385,	6479, 6541, 6552,
10579, 10580,	17388, 17389,	6554, 6717, 6719,
10584, 10591,	17390, 17391,	7385, 7397, 7650,
10592, 10637,	17399, 17405,	7961, 9567, 9584,
10638, 10676,	17502, 17572,	9795, 9829, 9831,
10683, 11511,	17581, 17583,	9855, 9868, 9875,
12000, 12020,	17589, 17600,	10539, 10558,
12025, 12484,	17615, 17644,	10709, 10714,
12518, 12534,	17645, 17655,	11653, 12025,
12536, 12636,	17658, 17660,	12242, 12330,
12878, 12927,	17826, 17836, 17838	12332, 12413,
12931, 12951,	\hboxL 10478,	12415, 12511,
12984, 12988,	10495, 13073, 17331	12931, 12985,
12993, 12997,	\hboxR 13064, 17322	12989, 12994,
13009, 13020,	\headstyle 615, 921,	12998, 13010,
13037, 13047,	1114, 1346, 5526,	13021, 13047,
13064, 13072,	5702, 13295,	13342, 13367,
13073, 13081,	13677, 13744, 13805	13713, 13738,
13122, 13123,	\headheight	13927, 13944,
13124, 13126,	. . . 1683, 7203,	14111, 14128,
13127, 13153,	9764, 9955, 17879	14563, 15074,
13171, 13180,	\headrule 9767	15101, 15749,
13328, 13382,	\headrulewidth 2178, 3885	16748, 16862,
13699, 13803,	\headsep . . 1691, 1694,	16899, 16901,
13927, 13957,	7204, 9956, 17888	16967, 16974,
14138, 14306,	\headwidth . . . 2268,	16976, 17415,
14360, 14362,	9763, 9765, 9766,	17648, 17657,
14377, 14691,	9767, 9768,	17678, 17680,
14799, 14871,	9770, 9771, 9772	17837, 17839,
14873, 14888,	\height . 10656, 10844,	17863, 17864,
15258, 15366,	10846, 10850,	17866, 17867, 17909
15417, 15418,	10852, 10879,	\hfill 176,
15427, 15443,	10880, 10883,	189, 1469, 1470,
15449, 15455,	10884, 10941,	2289, 2295, 2309,
15461, 15467,	10942, 10945,	3819, 3820, 3823,
15473, 15479,	10946, 10974,	3824, 5201, 5211,
15485, 15491,	10976, 10980, 10982	6219, 6220, 6868,
15546, 15548,	\hfil 15, 216, 511,	9765, 9766, 9770,
15563, 15890,	530, 662, 689,	9771, 12486,
15998, 16061,	890, 905, 1052,	12510, 12642,
16110, 16123,	1143, 1171, 1400,	12645, 12646,
16152, 16163,	1401, 1402, 1403,	12647, 12650,
16202, 16272,	1431, 1432, 1433,	12651, 12652,
16854, 16855,	1439, 1440, 1441,	12653, 12654,
16904, 16906,	1673, 1678, 5230,	12657, 12658,
16963, 16964,	5232, 5337, 5555,	12659, 12660,
17167, 17201,	5580, 5731, 5756,	12661, 12662,



12663,	12666,	6484, 6487, 6518,	14138,	14691,
12667,	12668,	6559, 6560, 6568,	15258, 15427, 15890	
12669,	12670,	6569, 6578, 6579,	\hsize 40,	
12671,	12672,	6587, 6684, 6723,	53, 68, 168, 170,	
12673,	12674,	6724, 6732, 6733,	174, 179, 197, 249,	
12677,	12678,	6742, 6743, 6752,	262, 276, 618,	
12679,	12682,	6788, 6790, 6791	924, 1117, 2033,	
12683,	12684,	\holder . 12941, 12944,	4059, 4060, 4120,	
12687,	12688,	12953, 12963,	4164, 4208, 4802,	
12689,	12690,	12964, 12982,	5529, 5705, 6151,	
12691,	12694,	12986, 12991,	6403, 6406, 6423,	
12695,	12696,	12995, 13007,	6427, 7768, 7784,	
12697,	12698,	13011, 13018, 13022	7800, 7813, 7826,	
12701,	12702,	\href 2314, 2315, 2318,	7839, 7954, 8012,	
12703,	12704,	2319, 2322, 2323	8030, 8042, 8055,	
12705,	13038,	\href@ 11442	8095, 8156, 8174,	
13042,	14377,	\href@split 11442, 11443	8185, 8197, 8235,	
14600,	14888,	\HRTL@mpRTLfootnotetext	8299, 8317, 8329,	
15133,	15445,	. . . . . 11068,	8342, 8382, 8446,	
15451,	15457,	11092, 11106, 11198	8464, 8476, 8489,	
15463,	15469,	\HRTL@RTLfootnotetext	8529, 8593, 8611,	
15475,	15481,	. . . . . 11049,	8623, 8636, 8676,	
15487,	15563,	11070, 11143,	8740, 8758, 8770,	
15781,	16292,	11194, 11273,	8783, 8823, 8887,	
16321,	16856,	11368, 11390, 11408	8905, 8917, 8930,	
16965, 17122, 17646		\hrule . . 31, 241, 535,	8970, 9034, 9052,	
\hfilneg 7955, 7959		718, 953, 1197,	9064, 9077, 9117,	
\hfuzz . 7216, 16214, 16216		4049, 4050, 4060,	9181, 9199, 9211,	
\hintcolour 2208		4061, 5231, 5612,	9224, 9264, 9304,	
\hintfont 2216, 2224,		5765, 5874, 5880,	9342, 9351, 9363,	
2278, 2285, 2290		5886, 5892, 6040,	9375, 9398, 9401,	
\hintscolumnwidth .		7011, 7447, 7745,	9412, 9415, 9426,	
. . . 2244, 2258,		7758, 9610, 10116,	9429, 9453, 9463,	
2262, 2270, 2278,		10118, 10150,	9474, 9477, 9874,	
2284, 2290, 2346		10483, 11507,	9875, 10198,	
\hintstyle 2224		12084, 12639,	10214, 10229,	
\hline 11977, 11979, 11985		13039, 13376,	10255, 10268,	
\HLOFF 1763		13797, 13953,	10281, 10298,	
\HLON 1757		14134, 14370,	10299, 10378,	
\HLTR@LTRfootnotetext		14377, 14686,	10483, 10513,	
. 11050,		14881, 14888,	10516, 10520,	
11081, 11158,		15253, 15423,	10523, 10524,	
11193, 11235,		15556, 15563, 15885	11649, 11653,	
11337, 11391, 11411		\hrulefill . 28, 238,	12011, 12022,	
\HLTR@mplTRfootnotetext		539, 724, 958,	12025, 12034,	
. 11079,		1203, 5618, 5771,	12053, 12054,	
11093, 11117, 11197		6044, 7451, 7749,	12061, 12084,	
\hoffset 1687		9614, 10113, 11511,	12238, 12242,	
\hold@viper		12636, 13382,	12438, 12518,	
. . . 6445, 6448,		13803, 13957,	12520, 12528,	



12564,	12568,	7384, 7451, 7749,	15258,	15427,
12572,	12575,	9290, 9583, 9614,	15563,	15747,
12580,	12583,	9794, 9797, 9799,	15778,	15890,
12623,	12627,	9800, 9851, 9867,	16070,	16076,
12631,	13098,	10113,	10557,	16088,
13100,	13253,	10561,	10564,	16093,
13267,	13298,	10565,	10702,	16291,
13747,	13808,	10704,	10705,	16480,
13824,	13867,	10708,	10713,	16534,
14344,	14351,	10716,	10718,	16551,
14353,	14728,	10719,	11490,	16568,
14729,	14768,	11511,	11621,	16585,
14855,	14862,	12329,	12335,	16602,
14864,	15295,	12338,	12339,	16637,
15296,	15335,	12485,	12497,	16676,
15404,	15409,	12509,	12564,	16711,
15411,	15530,	12568,	12572,	16849,
15537,	15539,	12575,	12576,	16906,
15927,	15928,	12580,	12583,	17642,
15967,	16914,	12584,	12636,	17659,
16917,	16922,	12642,	12645,	17662,
16926,	16930,	12647,	12650,	17820,
16934,	16938,	12652,	12654,	17822, 17836, 17839
16942,	16946,	12657,	12659,	\hspace 104,
16950,	17170,	12661,	12663,	105, 234, 235,
17191,	17195,	12666,	12668,	548, 2279, 2284,
17356,	17358,	12670,	12672,	2290, 3802, 3809,
17485,	17728,	12674,	12677,	4031, 4706, 4707,
17772, 17905, 17909		12679,	12682,	4713, 4714, 4720,
\hspace 14, 28,		12684,	12687,	4721, 4727, 4728,
215, 238, 307, 311,		12689,	12691,	4855, 4881, 4882,
529, 539, 648,		12694,	12696,	6998, 7404, 7736,
649, 688, 724,		12698,	12701,	7883,
875, 876, 889,		12703,	12705,	10819,
937, 958, 1129,		12718,	12895,	10835,
1130, 1170, 1203,		12902,	13328,	10848,
1349, 1402, 1403,		13329,	13366,	10860,
1441, 1465, 1468,		13382,	13680,	10873,
2360, 4763, 5203,		13699,	13700,	10882,
5247, 5248, 5251,		13737,	13803,	10935,
5253, 5254, 5257,		13943,	13957,	10944,
5541, 5542, 5579,		14127,	14138,	10952,
5618, 5717, 5718,		14215,	14217,	10978,
5755, 5771, 6033,		14224,	14226,	11014,
6044, 6215, 6218,		14262,	14264,	14723,
6285, 6438, 6441,		14273,	14275,	14738,
6443, 6444, 6540,		14377,	14561,	14743,
6544, 6547, 6548,		14597,	14691,	14745,
7076, 7077, 7080,		14888,	15072,	14746,
7090, 7091, 7134,		15099,	15130,	15290,
				15310,
				15312,
				15313,
				15503,
				15922,
				15937,
				15942,
				15944,
				15945,
				16033,
				16034,
				16297,
				16309,
				18016,
				18020,
				18025,
				18027, 18031, 18033
				\hss 452, 511, 530, 662,
				689, 890, 905,
				1143, 1171, 1702,



4822, 5555, 5580,	17658, 17660,	15321, 15322,
5731, 5756, 5958,	17677, 17682, 17824	15951, 15953,
6017, 6034, 6286,	\ht 380,	15954, 16111,
6440, 6442, 6476,	1451, 1484, 2092,	16148, 16160,
6481, 6543, 6546,	2094, 2095, 6234,	16275, 17210,
6551, 6556, 6716,	6243, 6245, 6516,	17212, 17601,
6720, 7079, 7089,	6518, 6525, 6531,	17800, 17810, 17814
7134, 7143, 7218,	6532, 6533, 6587,	\ht@strip 12449, 12450,
7221, 7223, 7226,	6626, 6644, 6656,	12451, 12452,
7229, 7385, 7397,	6680, 6684, 6694,	12453, 12456, 12458
7495, 7592, 7650,	6702, 6703, 6706,	\ht@viper 6515, 6520,
7882, 7888, 9567,	6707, 6709, 6710,	6543, 6546, 6551,
9584, 9675, 9796,	6752, 6788, 7019,	6556, 6624, 6625,
9798, 9828, 9832,	7028, 7040, 7049,	6680, 6681, 6682,
9969, 10538,	7057, 7067, 7069,	6686, 6716, 6720
10541, 10560,	7085, 7114, 7124,	\httplink 2316
10563, 10601,	7126, 7139, 7369,	\Huge 4789, 5877,
10647, 10705,	7963, 8108, 8112,	5889, 6069, 6077,
10719, 12020,	8248, 8252, 8395,	7679, 7688, 9597,
12028, 12334,	8399, 8542, 8546,	9605, 14161, 14169
12337, 12412,	8689, 8693, 8836,	\huge 559,
12417, 12554,	8840, 8983, 8987,	4643, 4645, 4788,
12555, 12565,	9130, 9134, 9277,	5868, 6063, 7415,
12566, 12909,	9281, 9294, 9747,	7424, 7673, 9592,
12919, 13124,	10403, 10410,	14156, 14411,
13135, 13136,	10427, 10434,	14524, 14922,
13137, 13342,	10435, 10448,	15035, 15597, 15710
13367, 13713,	10452, 10475,	\Hurl 11426
13738, 13828,	10594, 10595,	\hv@Bottom 10914
13871, 13927,	10597, 10640,	\hv@Center . . . 10818,
13944, 14052,	10641, 10643,	10829, 10869,
14111, 14128,	10756, 11563,	10931, 10959, 11012
14360, 14564,	11564, 11570,	\hv@figure . 10783, 10801
14601, 14799,	11573, 11606,	\hv@floatObject . . .
14808, 14871,	11986, 12036,	. . . . . 10744, 10748
15075, 15102,	12082, 12089,	\hv@floatType . 10774,
15134, 15366,	12092, 12313,	10783, 10801, 11019
15375, 15417,	12317, 12322,	\hv@Height 10756
15546, 15750,	12395, 12399,	\hv@label 10725
15782, 15998,	12404, 12452,	\hv@Left . . 10759, 10827
16007, 16082,	12454, 12953,	\hv@longCap 10724
17175, 17177,	13011, 13022,	\hv@Right . . 10760, 10816
17182, 17188,	13027, 13028,	\hv@shortCap
17386, 17495,	13029, 13030,	10723, 10789, 10807
17558, 17559,	13034, 13049,	\hv@Top . 10842, 10878,
17561, 17562,	13151, 14201,	10898, 10940, 10972
17564, 17565,	14243, 14246,	\hv@Width . . 10754, 10777
17570, 17571,	14301, 14308,	\hv@Zero . . . 10743, 11006
17630, 17631,	14752, 14754,	\hvAboveCaptionSkip
17632, 17633,	14755, 15319,	. . . . . 10922, 10925



\hvBelowCaptionSkip	\hvSet@capAngle . . .	\Hy@linktoc 11028
. 10906, 10909	. . . . . 10777, 10796	\Hy@LT@currentHref
\hvCaptionBox . 10778,	\hvSet@capPos . . . . .	. . . . . 11467, 11478
10795, 10837,	. . 10759, 10760,	\Hy@LT@LTRfootnotetext
10839, 10850,	10827, 10898, 10914	. . . . . 11225, 11234
10852, 10862,	\hvSet@capVPos 10829,	\Hy@LT@RTLfootnotetext
10864, 10870,	10842, 10869,	. . . . . 11263, 11272
10871, 10879,	10878, 10931,	\Hy@maketitle@end .
10880, 10887,	10940, 10959, 10972	. 11394, 11399, 11401
10888, 10899,	\hvSet@capWidth . . .	\Hy@maketitle@optarg
10900, 10906,	. . . . . 10754,	. . . . . 11392, 11397
10909, 10915,	10756, 10761, 10762	\Hy@raisedlink
10916, 10923,	\hvSet@floatCapSep	. . . 11099, 11110,
10926, 10932,	. . . . . 10835,	11121, 11132, 11147,
10933, 10941,	10848, 10860,	11162, 11239,
10942, 10949,	10873, 10882,	11277, 11310,
10950, 10967,	10890, 10935,	11341, 11372, 11479
10969, 10980,	10944, 10952,	\Hy@saved@currentHlabel
10982, 10992, 10994	10965, 10978, 10990	. . . . . 11176, 11181
\hvCapWidth . . 10752,	\hvSet@floatPos . . 10772	\Hy@saved@currentHref
10754, 10756,	\hvSet@objectAngle	. . . . . 11177, 11182
10758, 10762,	. . . . . 10743, 10747	\Hy@saved@footnotemark
10764, 10779, 10797	\hvSet@objectPos . .	. . . . . 11384, 11403
\hvFloat 10726	. 10816, 10818, 11012	\Hy@saved@footnotetext
\hvMaxCapWidth 10737,	\hvSet@rotAngle . . .	. . . . . 11385, 11406
10738, 10759,	10737, 11006, 11009	\Hy@tabularx@hook .
10760, 10761, 10764	\Hy@backout 11428	. . . . . 11191, 11203
\hvObjectBox	\Hy@bidipoem@footnotetext	\Hy@LTR@saved@LTRfootnotetext
. . 10741, 10744,	. . . . . 11296, 11305	. . . . . 11387, 11412
10746, 10750,	\Hy@bidipoem@LTRfootnotetext	\Hy@Org@maketitle . .
10756, 10831,	. . . . . 11327, 11336	. 11382, 11393, 11398
10833, 10844,	\Hy@bidipoem@RTLfootnotetext	\Hy@Org@TX@endtabularx
10846, 10856,	. . . . . 11358, 11367	. . . . . 11190
10858, 10874,	\Hy@footnote@currentHlabel	\hyper@@anchor
10875, 10883,	. . . . . 11135,	. . . 11097, 11100,
10884, 10891,	11150, 11165, 11179	11108, 11111, 11119,
10892, 10899,	\Hy@footnote@currentHref	11122, 11130,
10902, 10907,	. . . 11097, 11100,	11133, 11145,
10910, 10915,	11108, 11111, 11119,	11148, 11160,
10918, 10922,	11122, 11130,	11163, 11237,
10925, 10936,	11133, 11136,	11240, 11275,
10937, 10945,	11145, 11148,	11278, 11308,
10946, 10953,	11151, 11160,	11311, 11339,
10954, 10961,	11163, 11166,	11342, 11370, 11373
10963, 10974,	11180, 11183,	\hyper@@link 11444
10976, 10986, 10988	11226, 11264,	\hyper@anchorend . 11480
\hvObjectWidth	11297, 11328, 11359	\hyper@anchorstart 11480
. . 10750, 10754,	\Hy@gttemp . . 11202, 11207	\hyper@link 11423
10758, 10759, 10760	\Hy@linkcounter . . .	\hyper@linkend 11032,
\hvOBox 10744, 10748	. . . . . 7269, 7274	11036, 11040,



11042, 11185, 11424, 11433, 11436	11968, 11970, 11972, 12827, 16123, 16158, 16163, 16250, 16251, 16252, 16253, 16254, 16255, 16256, 16258, 16259, 16260, 16261, 16262, 16265, 16266, 16267, 17483, 17490, 17491, 17598, 17615, 17622, 17623, 17624, 17625, 17626, 17627	\if@bidi@calsloaded@ 11777 \if@bidi@captionloaded@ 11780 \if@bidi@colorloaded@ 11786 \if@bidi@colortblloaded@ 11802 \if@bidi@croploaded@ 11783 \if@bidi@csdef 2480, 2529 \if@bidi@csmacro . 2528 \if@bidi@csprimitive 2538 \if@bidi@csundef 2486, 2559, 3442, 3494, 17926 \if@bidi@cutedloaded@ 11793 \if@bidi@cutwinloaded@ 11790 \if@bidi@dblfnotloaded@ 11796 \if@bidi@def 2498 \if@bidi@defmacro 2521, 2522, 2530, 2700, 2719, 2863 \if@bidi@defparam 2721, 2815, 2816, 2865 \if@bidi@defprimitive 2532 \if@bidi@defprotected 2728, 2824, 2825, 2876 \if@bidi@draftwatermarkloaded@ 11856 \if@bidi@empheqlloaded@ 11859 \if@bidi@fancyboxloaded@ 11850 \if@bidi@fancyhdrloaded@ 11853 \if@bidi@fancyvrbloaded@ 11961 \if@bidi@floatloaded@ 11805 \if@bidi@floatrowloaded@ 11808
\hyper@linkstart 11032, 11036, 11040, 11042, 11183, 11424, 11429, 11436 \hyper@linkurl ... 11426 \hyper@makecurrent 11178, 11466 \hyper@nat@current 11430 \hyper@natlinkbreak 11435 \hyper@natlinkend 11432 \hyper@natlinkstart 11427 \hypersetup 2162, 2170, 4899, 4958, 4975 \hyphenpenalty ... 6, 101, 207, 231, 617, 923, 1116, 5528, 5704, 13297, 13746, 13807, 13950 \HyRTL@saved@RTLfootnotetext 11386, 11409	\if@allcaps ... 745, 754, 762, 996, 1005, 1013, 1245, 1254, 1262, 5648, 5657, 5665, 5824, 5833, 5841, 13431, 13440, 13448, 13570, 13579, 13587 \if@altsecnumformat 14610, 15145, 15793 \if@bib@break@ 14620, 14644, 14659, 14675, 15187, 15211, 15226, 15242, 15819, 15843, 15858, 15874 \if@bibchapter ... 16405 \if@bidi@amsmathloaded@ 11765 \if@bidi@amstextloaded@ 11768 \if@bidi@amsthmloaded@ 11771 \if@bidi@arabxetexloaded@ 11955 \if@bidi@arrayloaded@ 11892 \if@bidi@arydshlnloaded@ 11916 \if@bidi@blank 2516, 2801, 2808 \if@bidi@breqnloaded@ 11774	
I \ialign .. 388, 16116, 16155, 17415, 17606 \if ... 356, 357, 358, 360, 361, 362, 363, 364, 367, 368, 369, 393, 399, 1377, 1378, 1379, 1381, 1382, 1383, 1384, 1385, 1386, 1387, 1390, 1391, 1392, 1415, 1416, 1417, 1419, 1420, 1421, 1422, 1423, 1992, 1998, 2001, 2004, 2007, 3237, 6112, 6131, 6165, 6167, 6169, 7236, 7290, 7298, 7299, 7305, 7306, 7313, 7314, 7320, 7321, 7331, 7333, 10045, 10069, 10293, 11527,		



\if@bidi@flowframloaded@	\if@bidi@patchable	2653, 2657, 2661,
..... 11811	..... 2688, 2689	2697, 2716, 2860
\if@bidi@fontspecloaded@	\if@bidi@pdfpagesloaded@	\if@bidi@wrapfigloaded@
..... 11952	..... 11862	..... 11826
\if@bidi@framedloaded@	\if@bidi@pgfloaded@	\if@bidi@xcolorloaded@
..... 11814	..... 11874	..... 11799
\if@bidi@ftnrightloaded@	\if@bidi@picinparloaded@	\if@bidi@xltxttraloaded@
..... 11817	..... 11877	..... 11820
\if@bidi@geometryloaded@	\if@bidi@polyglossialoaded@	\if@bidi@xtabloaded@
..... 11832	..... 11958	..... 11910
\if@bidi@graphicxloaded@	\if@bidi@pstricksloaded@	\if@bidi@xunicodeloaded@
..... 11829	..... 11871	..... 11823
\if@bidi@hvffloatloaded@	\if@bidi@quotchaploaded@	\if@capbreak
..... 11835	..... 11880	14740, 15307, 15939
\if@bidi@hyperrefloaded@	\if@bidi@rotatingloaded@	\if@captionabove ..
..... 11847	..... 11937	..... 14773,
\if@bidi@lettrineloaded@	\if@bidi@soulloaded@	14779, 14792,
..... 11865	..... 11898	14802, 15340,
\if@bidi@list@minipage@parbox@	\if@bidi@stabularloaded@	15346, 15359,
..... 1542,	..... 11895	15369, 15972,
17451, 17513,	\if@bidi@subfigloaded@	15978, 15991, 16001
17522, 17531,	..... 11901	\if@cftdopart 16462
17540, 17553,	\if@bidi@subfigureloaded@	\if@cfthaschapter ..
17554, 17568, 17569	..... 11904	..... 16453,
\if@bidi@list@minipage@parbox@	\if@bidi@subpertabularloaded@	16457, 16463,
..... 1543,	..... 11907	16484, 16496, 16518
17459, 17515,	\if@bidi@tblsloaded@	\if@cfthaspart ... 16449
17524, 17533, 17542	..... 11940	\if@colour
\if@bidi@listingsloaded@	\if@bidi@tabularyloaded@	2145
..... 11868	..... 11943	\if@colourgreen 6806,
\if@bidi@longtableloaded@	\if@bidi@tikzloaded@	6835, 6904, 6930
..... 11913	..... 11883	\if@colourgrey 6810,
\if@bidi@mdf@RTL ..	\if@bidi@titlesecloaded@	6849, 6908, 6942
..... 12044, 12051	..... 11886	\if@colourorange ..
\if@bidi@mdfframedloaded@	\if@bidi@titletocloaded@	..... 6804,
..... 11838	..... 11889	6828, 6902, 6924
\if@bidi@midffloatloaded@	\if@bidi@tocbibbindloaded@	\if@colourred . 6808,
..... 11841	..... 11949	6842, 6906, 6936
\if@bidi@minitocloaded@	\if@bidi@tocstyleloaded@	\if@compatibility ..
..... 11925	..... 11946	.. 513, 664, 739,
\if@bidi@multicolloaded@	\if@bidi@todonotes@figposition@	897, 990, 1145,
..... 11919	.. 17003, 17101,	1239, 5642, 5818,
\if@bidi@multienumloaded@	17106, 17113, 17119	13425, 13564,
..... 11922	\if@bidi@todonotes@textdirection@	1479, 16488, 17584
\if@bidi@natbibloaded@	..... 17002,	\if@contcw . 12194, 12223
..... 11928	17036, 17076, 17110	\if@conthang
\if@bidi@newffloatloaded@	\if@bidi@undef 2504,	12204
..... 11931	2563, 2597,	\if@continent ... 12210
\if@bidi@ontheoremloaded@	2608, 2627, 2631,	\if@DEBUG
..... 11844	2635, 2639, 2649,	2116
		\if@displaypagenumbers
		..... 2324, 2327



\if@donumindex	13185, 15148,	552, 567, 618,
. 16406, 16425	15164, 15172, 15180	631, 642, 643,
\if@dotocbib 16368	\if@minipage 3854, 12263	648, 659, 684,
\if@dotocind 16413, 16430	\if@mparswitch . . . 17792	687, 688, 701,
\if@extrafootnotefeatures	\if@newlist . . . 9939,	868, 869, 875,
. 1538, 1606	9959, 17845, 17897	885, 888, 889,
\if@fcolmade . . . 6455,	\if@nobreak	902, 924, 963,
6497, 9803, 9839,	. . . 3438, 10500,	1117, 1123, 1124,
9923, 10545,	12055, 13246, 13260	1129, 1140, 1166,
10569, 12346,	\if@noparlist 5359, 5472	1169, 1170, 1188,
12425, 17665, 17690	\if@noskipsec	1212, 1350, 1351,
\if@ff@nwp 9891	. . . 6110, 10501,	1462, 1463, 1476,
\if@filesw 2068	12056, 13247, 13261	1487, 1531, 1547,
\if@firstcolumn . . .	\if@oldtoc	1643, 1649, 1899,
. . . 6433, 6468,	. . . 652, 678, 879,	2046, 2342, 4762,
6512, 6593, 6612,	895, 1133, 1160,	4763, 4880, 4881,
6758, 6777, 9775,	5545, 5569, 5721,	4882, 5529, 5535,
9807, 10529,	5745, 13332,	5536, 5541, 5552,
10549, 12276,	13356, 13703, 13727	5575, 5578, 5579,
12358, 12446,	\if@openright	5595, 5705, 5711,
17652, 17669, 17790	. . . 5134, 6081, 7692	5712, 5717, 5728,
\if@firstdetailselement	\if@ovb 9755	5751, 5754, 5755,
. 6971, 6973	\if@ovl 9753	5782, 5865, 5876,
\if@firstfooterelement	\if@ovr 9752	5878, 6014, 6029,
. 6875, 6878	\if@ovt 9754	6032, 6033, 6060,
\if@flushend@auto@baseline	\if@parafootRTL . . .	6074, 6090, 6108,
. 6628	. . . 1539, 9303, 9314	6120, 6133, 6164,
\if@ignore . . . 2985, 2987	\if@pboxsw 17497	6200, 6241, 6242,
\if@inlabel 6111	\if@ref 15440	6246, 6247, 6249,
\if@inltxdoc 16398	\if@restonecol	6256, 6262, 6281,
\if@insert 6786	. . . . . 598, 614,	6284, 6285, 6291,
\if@komalongtable .	862, 1113, 5525,	6296, 6403, 6406,
14789, 15356, 15988	5701, 5910, 13294,	6423, 6427, 7217,
\if@Latin 338,	13548, 14005, 16445	7297, 7312, 7334,
343, 1532, 6147, 6149	\if@reversemargin 17795	7335, 7336, 7337,
\if@LTRbibitems . 84,	\if@rjfield 17834	7360, 7380, 7383,
293, 567, 701,	\if@rl 1531	7384, 7394, 7408,
963, 1212, 1536,	\if@rl@footnote . . . 1541	7421, 7431, 7647,
2342, 5595, 5782,	\if@rlmain 1530	7670, 7685, 7701,
6090, 7431, 7701,	\if@rot@twoside . . .	7721, 7724, 7729,
9619, 12272,	. . . . . 14205,	7737, 9564, 9579,
12713, 13387,	14210, 14220,	9582, 9583, 9590,
13780, 13973,	14250, 14256, 14268	9602, 9619, 9875,
14175, 14636,	\if@RTL 12, 13,	10017, 10293,
15203, 15835, 16375	25, 84, 100, 103,	10373, 10375,
\if@LTRmarginpar . .	104, 105, 213, 214,	10582, 10584,
. 1535,	230, 233, 234,	10587, 10588,
17819, 17824, 17828	235, 293, 307,	10605, 10608,
\if@mainmatter 5106,	311, 372, 508,	10615, 10624,
5867, 6062, 7672,	525, 528, 529,	10630, 10634,



10637,	10651,	14166,	14175,	16585,	16592,
10676,	10683,	14285,	14287,	16593,	16594,
10828,	10930,	14291,	14295,	16602,	16609,
11032,	11040,	14297,	14302,	16610,	16611,
11424,	11429,	14306,	14309,	16619,	16627,
11433,	11436,	14313,	14315,	16628,	16629,
11444,	11490,	14319,	14346,	16637,	16646,
11494,	11497,	14355,	14557,	16647,	16648,
11502,	11610,	14560,	14561,	16656,	16666,
11613,	11617,	14593,	14597,	16667,	16668,
12021,	12047,	14608,	14609,	16676,	16701,
12153,	12154,	14636,	14693,	16702,	16703,
12155,	12156,	14694,	14695,	16711,	16751,
12157,	12158,	14697,	14768,	16752,	16753,
12237,	12239,	14857,	14866,	16776,	16838,
12272,	12480,	15068,	15071,	16839,	16840,
12484,	12485,	15072,	15095,	16846,	16849,
12492,	12497,	15098,	15099,	16896,	16956,
12504,	12509,	15126,	15130,	16961,	16984,
12713,	12791,	15144,	15203,	16991,	17051,
12811,	12931,	15260,	15261,	17054,	17138,
12981,	13056,	15262,	15264,	17173,	17181,
13108,	13109,	15335,	15406,	17208,	17209,
13112,	13116,	15413,	15498,	17212,	17213,
13135,	13136,	15504,	15532,	17215,	17252,
13137,	13180,	15541,	15743,	17256,	17309,
13182,	13188,	15746,	15747,	17314,	17366,
13199,	13201,	15774,	15778,	17367,	17370,
13212,	13214,	15792,	15835,	17374,	17426,
13225,	13227,	15892,	15893,	17452,	17460,
13236,	13238,	15894,	15896,	17466,	17472,
13255,	13277,	15967,	16032,	17483,	17555,
13278,	13298,	16035,	16065,	17556,	17558,
13311,	13322,	16085,	16099,	17561,	17564,
13323,	13328,	16285,	16310,	17568,	17569,
13339,	13362,	16327,	16347,	17570,	17571,
13365,	13366,	16350,	16355,	17573,	17575,
13387,	13681,	16359,	16360,	17576,	17581,
13682,	13693,	16375,	16470,	17588,	17630,
13694,	13699,	16471,	16472,	17631,	17637,
13710,	13733,	16480,	16501,	17642,	17819,
13736,	13737,	16502,	16503,	17824,	17828,
13747,	13760,	16511,	16524,	17836,	17837,
13780,	13808,	16525,	16526,	17838,	17839,
13924,	13939,	16534,	16541,	17906,	17909,
13942,	13943,	16542,	16543,	17917,	17927,
13948,	13949,	16551,	16558,	18015,	18025, 18031
13973,	14108,	16559,	16560,	\if@RTL@footnote ...	
14123,	14126,	16568,	16575,	..... 36, 245,	
14127,	14154,	16576,	16577,	1541, 1645, 4133,	



7763, 7810, 7981, 8026, 8128, 8170, 8268, 8313, 8415, 8460, 8562, 8606, 8709, 8753, 8856, 8901, 9003, 9048, 9150, 9195, 9353, 9403, 10193, 10239, 10277, 10278	6190, 6194, 6212, 6213, 6226, 6237, 10292, 11969, 11971, 16100, 16104, 16105, 16123, 16131, 16138, 16163, 16251, 16252, 17410, 17458, 17482, 17515, 17524, 17533, 17542, 17553, 17554, 17568, 17569, 17589, 17593, 17594, 17615, 17623, 17624	\if@todonotes@dviStyle 17024, 17058 \if@ttb@rotate ... 10016 \if@twocolumn ... 94, 224, 453, 585, 601, 628, 635, 802, 849, 934, 945, 1053, 1100, 1185, 1192, 1302, 2054, 5060, 5512, 5688, 5897, 5959, 7496, 7593, 9676, 12136, 13281, 13308, 13315, 13488, 13535, 13629, 13757, 13764, 13872, 13992, 14053, 14459, 14970, 15645, 16400, 17789, 17920
\if@RTLbibitems . 84, 293, 567, 701, 963, 1212, 1537, 2342, 5595, 5782, 6090, 7431, 7701, 9619, 12272, 12713, 13387, 13780, 13973, 14175, 14636, 15203, 15835, 16375	\if@sentedir 1644 \if@specialpage 9894, 17854 \if@star 13171 \if@tab@rl 1533 \if@tablecaptionabove 14820, 15387, 16019 \if@tempswa .. 3280, 3325, 7073, 7130 \if@thmmarks .. 12774, 12778, 12795, 12799	\if@twoside 5051, 9898, 14428, 14441, 14509, 14939, 14952, 15020, 15614, 15627, 15695, 17164, 17857 \if@vihproof 12465, 12471 \ifadl@inactive .. 1364 \ifadl@usingarypkg 1367 \ifAM@output 12853 \ifAM@survey 12831 \ifartopt 12173 \ifbidi@autofootnoterule 10023, 10251, 10264, 10277
\if@RTLcolumnfootnotes ... 1540, 7955, 7956, 7959, 7960, 7991, 8043, 8137, 8186, 8278, 8330, 8425, 8477, 8572, 8624, 8719, 8771, 8866, 8918, 9013, 9065, 9160, 9212	\if@titlecentered 1332, 13661 \if@titlepage 406, 619, 726, 925, 977, 1176, 1226, 5912, 7453, 7546, 9633, 13299, 13412, 13549, 13748, 13810, 14006, 14380, 14891, 15566	\ifblendcolors 17220, 17241, 17263, 17290 \ifbool ... 12069, 12078 \ifcase 1399, 1426, 1430, 1434, 1438, 1464, 1562, 1568, 1574, 1586, 1592, 1598, 6214, 11028, 16341, 16721, 16828, 16898, 17008, 17016, 17240, 17289
\if@RTLmain .. 1530, 1546, 1642, 1648, 6299, 6322, 6345, 6368, 6539, 7165, 7171, 7174, 7188, 7206, 9763, 9765, 9766, 9767, 9768, 9770, 9771, 9772, 10022, 10701, 10711, 12437, 12593, 17696, 17883, 17893	\if@tocleft 14551, 14586, 15062, 15089, 15119, 15737, 15767 \if@tocstyle@penalties 16759, 16868 \if@todonotes@authorgiven 17027, 17038, 17063, 17080 \if@todonotes@disabled 17021, 17022	\ifcat 1557, 1659
\if@RTLmarginpar 1534, 17819, 17824, 17828		
\if@RTLtab . 357, 358, 374, 377, 399, 401, 1358, 1359, 1378, 1379, 1416, 1417, 1533, 1910, 1914, 1915, 2105, 2108, 6166, 6168,		



\ifconvertcolorsU .	10761,	10899,	6249, 6256, 6262,
..... 17226,	10915,	11578,	6281, 11174, 11186,
17242, 17269, 17291	11584,	11649,	16303, 17213,
\ifcpoddpag e..... 3637	12022,	12143,	17215, 17252,
\ifcsname 2481,	12186,	12193,	17256, 17309,
2487, 2614, 3054,	12197,	12199,	17568, 17569,
3069, 3283, 3291,	12238,	12283,	17614, 17700, 17744
12736, 12746,	12291,	12293,	\ifhv@fbox .. 10830,
12760, 16783,	12365,	12373,	10836, 10843,
16784, 16793,	12375,	12447,	10849, 10855,
16804, 16808,	12458,	12542,	10861, 10870,
16818, 16830,	12550,	12556,	10874, 10879,
16884, 16912,	12570,	12578,	10883, 10887,
16913, 16921,	12881,	12928,	10891, 10905,
16925, 16929,	12953,	13011,	10921, 10932,
16933, 16937,	13022,	13029,	10936, 10941,
16941, 16945, 16949	13034,	13049,	10945, 10949,
\ifdefined .. 2499, 2505	13147,	14727,	10953, 10960,
\ifdfn@allowcbreak	14735,	15294,	10966, 10973,
..... 7026, 7047	15302,	15444,	10979, 10985, 10991
\ifdfn@ruleboth ...	15450,	15456,	\ifhv@nonFloat 10773,
..... 7084, 7138	15462,	15468,	10780, 10798,
\ifdfn@trysingle ..	15474,	15480,	10819, 11011, 11013
..... 7065, 7122	15486,	15492,	\ifhv@onlyText
\ifdim ... 1452, 1453,	15926,	15934,	..... 10781, 10799
2092, 2095, 3867,	16149,	16794,	\ifhv@useOBox
4434, 5200, 5237,	16819,	16885,	..... 10744, 10748
5239, 5298, 5299,	17141,	17143,	\ifHy@hyperfootnotes
5301, 5307, 5347,	17145,	17147,	..... 11047
5360, 5367, 5448,	17148,	17149,	\ifHy@nesting
5450, 5463, 5465,	17151,	17191,	... 11096, 11107,
5473, 6141, 6532,	17198, 17801, 17905		11118, 11129,
6577, 6589, 6602,	\ifdofullc@p		11144, 11159,
6605, 6607, 6637,	14730, 15297, 15929		11236, 11274,
6641, 6642, 6656,	\iffalse	2457,	11307, 11338, 11369
6681, 6706, 6741,	2458,	2460,	\ifin@
6754, 6767, 6770,	10500,	10501,	..... 3299
6772, 7020, 7041,	11688,	12055,	\ifinner . 1982, 4098,
7061, 7070, 7097,	12056,	13246,	4142, 4186, 10388,
7101, 7118, 7127,	13247, 13260, 13261		17133, 17706, 17750
7149, 7153, 7880,	\IfFileExists		\ifL@grid
7885, 9741, 9743,	... 2994, 3009,		..... 11579
9874, 10385,	3617, 5080, 5145		\ifL@image
10393, 10409,	\iffootdir@debug ..		..... 11555
10410, 10440,	..... 10031, 10035		\ifLettrineImage . 11525
10448, 10461,	\ifGin@iso	10690	\ifLettrineOnGrid 11526
10476, 10509,	\ifhbox 9309, 9319, 9323		\ifmaskcolors . 17230,
10510, 10593,	\ifhmode	1976,	17241, 17273, 17290
10600, 10639,	4092, 4136, 4180,		\ifmmode
10646, 10691,	4423, 4429, 6247,		180,
			6241, 6246, 9844,
			9854, 10582,
			10584, 10587,
			10588, 10605,



10608,	10615,	10509,	10511,	16242,	16243,
10624,	10630,	11562,	11633,	16244,	16245,
10634,	10637,	11636,	11691,	16247,	16332,
10651,	10676,	11983,	11984,	16334,	16452,
10683,	11424,	12137,	12170,	16456,	16498,
12864,	12922,	12280,	12310,	16517,	16539,
13139,	13173,	12362,	12392,	16556,	16573,
14285,	14287,	12478,	12490,	16590,	16607,
14291,	14295,	12502,	12595,	16625,	16644,
14297,	14302,	12601,	12755,	16664,	16699,
14306,	14309,	12765,	12941,	16758,	16763,
14313,	14315,	12947,	12959,	16781,	16954,
14319,	17208,	12962,	12963,	17172,	17433,
17212, 17492, 17579		12964,	12966,	17620,	17621,
\ifNAT@openbib ... 12715		12967,	12968,	17635,	17797,
\ifnum 3, 133,		12969,	12978,	17819, 17914, 17915	
139, 204, 306,		13000,	13005,	\ifodd 1993, 5051, 7179,	
348, 349, 350,		13016,	13027,	7196, 7256, 9899,	
351, 353, 454,		13028,	13034,	17164, 17793, 17858	
503, 520, 546,		13038,	13041,	\ifoddpage 3631	
555, 638, 654,		13042,	13133,	\ifonelinecaptions	
672, 803, 864,		13134,	13141,	14701, 15268, 15900	
897, 915, 1054,		13184,	13318,	\ifpgfrememberpicturepositiononpage	
1119, 1135, 1153,		13334,	13350,	..... 12877	
1303, 1369, 1370,		13407,	13409,	\ifpoem@started ...	
1371, 1372, 1374,		13411,	13489,	... 5294, 5300,	
1413, 1414, 2008,		13630,	13689,	5447, 5454, 5468	
2050, 2087, 2088,		13705,	13721,	\ifprimitive . 2533, 2540	
5320, 5531, 5547,		13772,	13774,	\ifPst@shift@star 13163	
5563, 5626, 5628,		13776,	13873,	\ifrot@messages ...	
5630, 5707, 5723,		13920,	13934,	..... 14255, 14267	
5739, 5802, 5804,		13960,	13962,	\ifshowgrid 13141	
5806, 5866, 5960,		13964,	14054,	\iftagsleft@ .. 330, 7214	
6009, 6024, 6047,		14103,	14118,	\ifthenelse 177, 182,	
6049, 6051, 6061,		14141,	14143,	190, 2296, 2313,	
6142, 6401, 6409,		14145,	14155,	2317, 2321, 2329,	
6414, 6421, 6564,		14448,	14460,	3520, 3590, 3592,	
6573, 6583, 6728,		14547,	14565,	3595, 3599, 3602,	
6737, 6747, 6961,		14580,	14581,	3605, 3630, 3687,	
7375, 7389, 7402,		14603,	14959,	3706, 3721, 3726,	
7411, 7497, 7594,		14971,	15058,	3732, 3741, 3746,	
7643, 7657, 7659,		15076,	15085,	3752, 3758, 3759,	
7661, 7671, 7961,		15103,	15113,	3766, 3773, 3775,	
9559, 9574, 9591,		15114,	15135,	3781, 3798, 3816,	
9677, 9727, 9729,		15147,	15163,	3818, 3822, 3840,	
9731, 9992, 9994,		15171,	15179,	3841, 3844, 3845,	
9996, 10005,		15634,	15646,	3880, 3889, 3900,	
10007, 10009,		15733,	15751,	3910, 3959, 4074,	
10155, 10251,		15761,	15762,	4298, 4316, 4317,	
10264, 10277,		15783,	16194,	4335, 4336, 4354,	



4355, 4386, 4387,	2413, 2417, 2432,	13477,	13614,
4502, 4507, 4531,	2436, 2474, 2488,	13618,	14342,
4536, 4560, 4565,	2506, 2577, 2765,	14368,	14375,
4642, 4646, 4694,	2781, 2999, 3023,	14395,	14400,
4907, 4953, 4962,	3038, 3103, 3115,	14407,	14413,
4970, 4997, 5044,	3147, 3158, 3193,	14437,	14508,
5113, 5124, 6865,	3199, 3210, 3211,	14512,	14520,
6871, 6888, 6891,	3222, 3252, 3261,	14526,	14538,
6892, 6893, 6894,	3262, 3282, 3297,	14552,	14587,
6895, 6981, 6986,	3307, 3321, 3328,	14624,	14685,
6989, 6990, 6991,	3340, 3356, 3411,	14690,	14853,
6992, 6993, 6996,	3422, 4368, 5189,	14879,	14886,
7000, 9965, 9980,	5210, 5371, 5422,	14906,	14911,
12821, 14209, 14254	5427, 5429, 7093,	14918,	14924,
\iftocstyle@autolength	7145, 7719, 7735,	14948,	15019,
..... 16803	7739, 9785, 9817,	15023,	15031,
\iftocstyle@indentnotnumbered	10152,	15037,	15049,
..... 16848, 16895	10619,	15063,	15090,
\iftrue 2459,	10662,	15120,	15190,
4039, 4052, 4065	10735,	15252,	15257,
\ifttl@label 16308	10743,	15402,	15430,
\ifTX@ 16184	10756,	15431,	15432,
\ifvbox 9515	10760,	15433,	15434,
\ifvmode . 3438, 3828,	10783,	15435,	15436,
3831, 3834, 3837,	10786,	15437,	15441,
12084, 12532,	10801,	15447,	15453,
12785, 12805, 16136	10804,	15459,	15465,
\ifvoid .. 2085, 2105,	10816,	15471,	15477,
6445, 6457, 6484,	10827,	15483,	15489,
6500, 6518, 6526,	10842,	15498,	15528,
6559, 6684, 6695,	10878,	15554,	15561,
6723, 7024, 7045,	10914,	15581,	15586,
7056, 7081, 7113,	10940,	15593,	15599,
7135, 7899, 7916,	10972,	15623,	15694,
7926, 9538, 9545,	11012,	15698,	15706,
10311, 10469,	11056,	15712,	15724,
10490, 11473,	11078,	15738,	15768,
11477, 12100,	11405,	15822,	15884,
12517, 13056, 17314	11411,	15889,	16144,
\ifWF@float 17146, 17160	11539,	16343,	16684,
\ifx 111,	11660,	16770,	16841,
130, 132, 147, 151,	11666,	16853,	16861,
155, 162, 787, 791,	12247,	16878,	16903,
1038, 1042, 1287,	12613,	16970,	16975,
1291, 1858, 1864,	12741,	16977,	17221,
1870, 1885, 1916,	12752,	17264,	17375,
1969, 1972, 2048,	12837,	17486,	17863,
2074, 2302, 2303,	13117,	17864, 17866, 17867	
2304, 2306, 2366,	13195,	\ifXC@tst . 17244, 17293	
2369, 2389, 2393,	13221,	\ignorespaces 45, 58,	
	13473,		



73, 118, 254, 267, 281, 338, 624, 633, 930, 1181, 1190, 2922, 3851, 3858, 3859, 3868, 4454, 4471, 4488, 4524, 4553, 4582, 4847, 5271, 5282, 5442, 5443, 5590, 5777, 6145, 6151, 6256, 6262, 6270, 6277, 7724, 7738, 7773, 7789, 7805, 7819, 7832, 7845, 10204, 10220, 10235, 10261, 10274, 10287, 10703, 10707, 10712, 10717, 11497, 12260, 12267, 13304, 13313, 13753, 13762, 14285, 14295, 14313, 14710, 14731, 14736, 14741, 14746, 14764, 15277, 15298, 15303, 15308, 15313, 15331, 15504, 15909, 15930, 15935, 15940, 15945, 15963, 17252, 17256, 17478, 17509, 17519, 17528, 17537, 17546 \ilg 12950, 12973 \immediate 2069, 3435, 5434 \in@ 3298 \includegraphics 2337, 6867, 6998, 12823 \includepdf 12814 \IncMargin 182 \indentedwidth ... 7737 \index 9948, 17873 \indexname 592, 593, 594, 608, 609,	856, 857, 1107, 1108, 4867, 4868, 5519, 5520, 5695, 5696, 5904, 5905, 5906, 13288, 13289, 13542, 13543, 13999, 14000, 14001, 16409, 16410, 16411, 16415, 16416, 16417, 16420, 16421, 16427, 16428, 16432, 16433, 16434, 16437, 16438 \indexspace 4883 \input 1559, 1560, 1607, 1640, 1661, 2149, 5081, 5146, 17919, 17929, 17930, 17931, 17932, 17933, 17934, 17935, 17936, 17937, 17938, 17939, 17940, 17941, 17942, 17943, 17944, 17945, 17946, 17947, 17948, 17949, 17950, 17951, 17952, 17953, 17955, 17956, 17962, 17969, 17970, 17971, 17972, 17973, 17974, 17975, 17976, 17977, 17978, 17979, 17980, 17981, 17982, 17983, 17984, 17985, 17986, 17987, 17988, 17989, 17990, 17991, 17992, 17993, 17994, 17995, 17996, 17997, 17998, 17999, 18000, 18001, 18002,	18003, 18004, 18005, 18006, 18007, 18008, 18009, 18010, 18011, 18012, 18013, 18036, 18037, 18038, 18039, 18040, 18041, 18042, 18043, 18044, 18045, 18046, 18047, 18048, 18049, 18050, 18051, 18052, 18053, 18054, 18055, 18056, 18057 \InputIfFileExists 2993, 2997, 3006, 11530 \insert 35, 48, 63, 244, 257, 271, 2085, 7015, 7031, 7036, 7052, 7099, 7105, 7151, 7157, 7762, 7778, 7794, 7981, 7991, 8001, 8079, 8128, 8137, 8146, 8220, 8268, 8278, 8288, 8366, 8415, 8425, 8435, 8513, 8562, 8572, 8582, 8660, 8709, 8719, 8729, 8807, 8856, 8866, 8876, 8954, 9003, 9013, 9023, 9101, 9150, 9160, 9170, 9248, 9344, 9356, 9368, 9457, 10192, 10208, 10223 \insert@column 1401, 1402, 1403, 1404, 1406, 1407, 1467, 1469, 1470, 1472, 1473, 1474, 6217, 6219, 6220, 6222, 6223, 6224 \insertpenalties . 10160 \interfootnotelinepenalty . 38, 51, 66, 247, 260, 274, 7908,
---	--	--



10195, 10211, 10226	6986, 6989,	K
\interlinepenalty 38,	6990, 6991, 6992,	\keepthetitle 12119
51, 66, 247,	6993, 6996, 7000	\kern 27, 29,
260, 274, 553,	\item . . . 98, 228, 597,	30, 31, 237, 239,
616, 641, 867,	612, 860, 943,	240, 241, 534,
922, 1115, 1122,	1111, 4839, 4847,	536, 538, 540,
4759, 5527, 5534,	4852, 4873, 5523,	716, 717, 719, 722,
5703, 5710, 5873,	5699, 5909, 9849,	723, 725, 737,
6068, 6076, 6562,	9864, 13292,	952, 954, 957,
6571, 6581, 6726,	13546, 14004, 16444	959, 988, 1195,
6735, 6745, 7409,	\itemindent . . 4834,	1196, 1198, 1201,
7422, 7678, 7687,	4835, 4843, 17440	1202, 1204, 1237,
7908, 9596, 9604,	\itemsep 3579,	1465, 1470, 1789,
10195, 10211,	4780, 4819, 4833	1790, 1791, 1792,
10226, 12482,	\itemx 12641	1793, 1794, 1795,
12494, 12506,	\itemxox 12676	1796, 1800, 1801,
13188, 13296,	\itemxoxx 12686	1848, 1850, 1851,
13321, 13692,	\itemxx 12644	4049, 4050, 4060,
13745, 13806,	\itemxxo 12681	4061, 4063, 4525,
14160, 14168,	\itemxxxox 12693	4526, 4554, 4555,
14595, 15128,	\itemxxx 12649	4583, 4584, 5610,
15776, 16300,	\itemxxxo 12700	5611, 5613, 5616,
16341, 16474,	\itemxxxx 12656	5617, 5619, 5640,
16505, 16528,	\itemxxxxx 12665	5763, 5764, 5766,
16545, 16562,	\itshape	5769, 5770, 5772,
16579, 16596,	1766, 2309, 4643,	5816, 6039, 6041,
16613, 16631,	4645, 4649, 4656,	6043, 6045, 6215,
16650, 16670,	4663, 4698, 4705,	6220, 6242, 7010,
16705, 16844,	4712, 4719, 4726,	7011, 7300, 7307,
16958, 17139, 17639	5030, 5031, 5032	7315, 7322, 7361,
\intermath@penalty 6144	J	7365, 7446, 7448,
\intextsep . 17199, 17201	\jua@ht 12299,	7450, 7452, 7744,
\InTheoType	12306, 12381,	7746, 7748, 7750,
. . . 7230, 12775,	12388, 12454, 12461	7757, 7758, 7873,
12777, 12796, 12798	\jua@pr 12282,	7874, 9609, 9611,
\invoiceName 15467	12312, 12364, 12394	9613, 9615, 9752,
\isempty 3706,	\jua@sar 12281,	9753, 9754, 9969,
4298, 4502, 4507,	12311, 12350,	10112, 10114,
4531, 4536, 4560,	12363, 12393, 12429	10115, 10116,
4565, 4953,	\jua@sk . 12280, 12310,	10117, 10118,
4962, 4970, 4997	12350, 12362,	10150, 10358,
\isodd 14209, 14254	12392, 12429, 12462	10422, 10601,
\isSC@ODD 16033,	\justifying . . 3613,	10647, 11506,
16034, 16036,	3683, 4235, 13233	11508, 11510,
16037, 18016,	\JustifyingParfillskip	11512, 12541,
18018, 18020, 18022	. . . . . 13239	12635, 12637,
\isundefined . . 3910,	\JustifyingParindent	12638, 12639,
3959, 6865, 6871,	. . . . . 3585,	13124, 13127,
6888, 6891, 6892,	4238, 4806, 13240	13154, 13170,
6893, 6894, 6895,		13374, 13375,



13377, 13380,	\L@ante 11520, 11595, 11620	\L@parshape . . 11610,
13381, 13383,	\l@chapter 5570, 5584,	11613, 11617, 11619
13423, 13562,	5746, 5760, 6023,	\l@part 502, 653, 671,
13795, 13796,	9573, 13357,	896, 914, 1134,
13798, 13801,	13371, 13728,	1152, 5546, 5562,
13802, 13804,	13742, 13933,	5722, 5738, 6008,
13952, 13954,	14117, 15112,	7388, 7642, 9558,
13956, 13958,	15760, 16365,	13333, 13349,
14133, 14135,	16366, 16497, 16923	13704, 13720,
14137, 14139,	\l@color . . . 11535, 11536	13919, 14102,
14367, 14371,	\l@figure 4767,	14546, 15057,
14374, 14377,	4768, 16606, 16951	15084, 15732,
14378, 14684,	\L@Findent	16362, 16363,
14687, 14689,	. 11521, 11597, 11621	16450, 16915, 16918
14692, 14878,	\L@first 11563, 11564,	\L@Pindent . . . 11593,
14882, 14885,	11567, 11568,	11594, 11596,
14888, 14889,	11570, 11571,	11597, 11599,
15251, 15254,	11572, 11573,	11600, 11603, 11610
15256, 15259,	11578, 11584,	\L@raise . . . 11519, 11571
15422, 15424,	11586, 11590,	\l@section . 519, 679,
15426, 15428,	11595, 11596,	692, 880, 893,
15553, 15557,	11598, 11599, 11610	1161, 1174, 7374,
15560, 15563,	\L@gridfalse 11526	14579, 16516, 16927
15564, 15883,	\L@gridtrue 11526	\L@slope 11523, 11614, 11615
15886, 15888,	\L@hang 11517, 11594	\l@subfigure 16643
15891, 16069,	\L@imagefalse 11525	\l@subparagraph . . .
16075, 16314,	\L@imagetrue 11525	. . . . . 16589, 16943
17174, 17178,	\L@lbox 11548,	\l@subsection
17184, 17187,	11549, 11556,	. . . . . 16538, 16931
17209, 17386,	11558, 11563,	\l@subsubsection . .
17389, 17391, 17816	11573, 11593,	. . . . . 16555, 16935
\keywords 326	11594, 11605,	\l@subtable 16663
\kill 11985	11606, 11607, 11620	\l@table
\KOMAClassName 14449,	\l@LOKeys 11540,	. 4768, 16624, 16947
14827, 14960,	11542, 11547, 11552	\L@tbox 11560, 11564, 11622
15394, 15635, 16026	\L@lraise 11565,	\l@textcolor 11537, 11538
\KV@do 11547, 11552	11571, 11572,	\label 2333,
\KV@prefix . 11545, 11550	11574, 11575, 11620	3735, 3737, 3739,
	\L@next 11601,	3743, 3789, 9947,
	11602, 11613, 11615	10791, 10809, 17872
	\l@ngrel@x	\labelitemi 736, 987,
\l 7256,	. . 2577, 2578, 2580	1050, 1236, 5639,
7272, 7275, 7281,	\L@Nindent . . . 11522,	5815, 13422, 13561
7284, 7286, 7287,	11600, 11602,	\labelname . . . 12642,
7290, 7291, 7294,	11604, 11613, 11614	12645, 12647,
7297, 7298, 7299,	\L@novskip	12650, 12652,
7304, 7305, 7306,	. 11524, 11578, 11582	12654, 12657,
7312, 7313, 7314,	\L@oversize 11518	12659, 12661,
7319, 7320, 7321,	\l@paragraph 16572, 16939	12663, 12666,
7330, 7333, 7341		12668, 12670,
\l@ 16715		



12672, 12674,	12682, 12684,	1093, 1143, 1251,
12677, 12679,	12687, 12689,	1261, 1337, 1343,
12682, 12684,	12691, 12694,	1347, 1352, 4656,
12687, 12689,	12696, 12698,	4719, 4785, 5555,
12691, 12694,	12701, 12703,	5654, 5664, 5731,
12696, 12698,	12705, 13389,	5830, 5840, 5926,
12701, 12703, 12705	13390, 13782,	5932, 5997, 6003,
<code>\labelsep</code> 82, 86, 291,	13783, 13975,	6017, 6860, 6862,
295, 571, 705,	13976, 14177,	6953, 6955, 7397,
967, 1216, 2347,	14178, 14640,	7465, 7471, 7530,
2349, 4796, 4798,	14641, 15207,	7536, 7560, 7566,
4855, 5599, 5786,	15208, 15839,	7631, 7637, 7650,
6094, 7435, 7705,	15840, 16377, 16378	9567, 9645, 9651,
9623, 12642,	<code>\langle</code> 1767	9710, 9716, 13342,
12645, 12647,	<code>\Larg</code> 1766,	13437, 13447,
12650, 12652,	1767, 1768, 1769, 1770	13522, 13528,
12654, 12657,	<code>\Larga</code> 1767	13576, 13586,
12659, 12661,	<code>\Largb</code> 1768	13668, 13674,
12663, 12666,	<code>\LARGE</code> 418, 489,	13678, 13683,
12668, 12670,	744, 834, 995,	13713, 13834,
12672, 12674,	1085, 1244, 1335,	13840, 13927,
12677, 12679,	1346, 4698, 4705,	14020, 14026,
12682, 12684,	4787, 5030, 5647,	14091, 14097, 14111
12687, 12689,	5823, 5924, 5995,	<code>\Largr</code> 1770
12691, 12694,	6950, 7463, 7528,	<code>\Largs</code> 1769
12696, 12698,	7558, 7629, 9643,	<code>\lastbox</code> 6643,
12701, 12703,	9708, 13430,	6647, 6673, 9285,
12705, 13391,	13520, 13569,	9308, 9318, 9322,
13784, 13977,	13666, 13677,	12081, 13056, 17314
14179, 14642,	13832, 14018, 14089	<code>\lastbox@a</code> ... 6643,
15209, 15841, 16379	<code>\Large</code> 556, 4649, 4712,	6644, 6647, 6648
<code>\labelwidth</code> 85,	4786, 5031, 5032,	<code>\LastFrameCommand</code> .
86, 294, 295,	6861, 6954, 7412,	..... 10376, 10486
569, 570, 703,	13908, 14415,	<code>\lastkern</code> .. 4434, 10461
704, 965, 966,	14421, 14423,	<code>\lastpenalty</code>
1214, 1215, 2346,	14439, 14528,	... 6142, 14581,
2348, 4797, 4798,	14535, 14537,	15114, 15762, 16763
5597, 5598, 5784,	14540, 14926,	<code>\lastrule</code> 6187
5785, 6092, 6093,	14932, 14934,	<code>\lastskip</code> 3867,
7433, 7434, 7703,	14950, 15039,	5360, 5361, 5473,
7704, 9621, 9622,	15046, 15048,	5474, 6141, 6630,
10514, 12642,	15051, 15601,	6631, 6635, 6636,
12645, 12647,	15607, 15609,	6638, 6645, 6650
12650, 12652,	15625, 15714,	<code>\lastskip@a</code>
12654, 12657,	15721, 15723, 15726	.. 6633, 6637, 6641
12659, 12661,	<code>\large</code> 420,	<code>\lastskip@b</code> .. 6631,
12663, 12666,	426, 491, 497,	6633, 6635,
12668, 12670,	511, 662, 751, 761,	6637, 6641, 6642
12672, 12674,	836, 842, 905,	<code>\lastskip@d</code> .. 6630,
12677, 12679,	1002, 1012, 1087,	6636, 6638, 6644,



6645, 6648, 6650, 6651, 6654, 6664	15745, 15777, 16049, 16100, 16306, 16329, 16475, 16506, 16529, 16546, 16563, 16580, 16597, 16614, 16632, 16651, 16671, 16706, 16845, 16959, 17208, 17383, 17388, 17390, 17398, 17405, 17480, 17589, 17640	5785, 5786, 6093, 6094, 7434, 7435, 7704, 7705, 9622, 9623, 13188, 13390, 13391, 13783, 13784, 13976, 13977, 14178, 14179, 14641, 14642, 15208, 15209, 15840, 15841, 16378, 16379, 17450, 17453, 17463, 17467, 17475, 17514, 17516, 17517, 17518, 17523, 17525, 17526, 17527, 17532, 17534, 17535, 17536, 17541, 17543, 17544, 17545
\LaTeX 11454, 17378, 17379, 17391	\left . 17399, 17406, 17414	\leftmargini .. 3576, 4777, 4790, 4797
\LaTeXe 17380, 17381	\left@footnoterule 30, 240, 410, 533, 715, 732, 951, 983, 1194, 1232, 5609, 5635, 5762, 5811, 5916, 6038, 7445, 7457, 7550, 7743, 9608, 9637, 10115, 10121, 10134, 10136, 10264, 10277, 11505, 13373, 13418, 13555, 13794, 13814, 13951, 14010, 14132, 14365, 14387, 14683, 14876, 14898, 15250, 15422, 15551, 15573, 15882	\leftmarginii 4791
\LBEG 1771	\leftfootnoterule . 1577, 7007, 7754, 10119, 10122, 10350, 10573, 17922	\leftmarginiii ... 4792
\lcb 1768, 1771, 1772, 1775	\leftline 13136, 17560, 17566, 17568	\leftmarginiv 4793
\lccode 17165, 17166	\leftmargin 86, 295, 570, 571, 704, 705, 940, 966, 967, 1215, 1216, 2348, 2349, 3576, 4777, 4836, 4837, 4844, 4850, 5598, 5599,	\leftmarginv 4794
\Lcs 1782	\leftmarginwidth . 13948	\leftmarginvi 4795
\LcsStar 1783	\leftmark 5127	\leftskip 12, 13, 213, 214, 307, 311, 508, 525, 528, 529, 618, 631, 642, 643, 648, 659, 684, 687, 688, 868, 869, 875, 885, 888, 889, 902, 924, 1117, 1123, 1124, 1129, 1140, 1166, 1169, 1170, 1188, 4754, 4762, 4763, 5334, 5529, 5535, 5536, 5541, 5552, 5575, 5578, 5579, 5705, 5711, 5712, 5717, 5728, 5751, 5754, 5755,
\leaders 14377, 14888, 15563, 16082, 16356, 16854, 16963, 17644		
\leavevmode 14, 215, 307, 373, 510, 527, 647, 661, 686, 737, 874, 887, 904, 988, 1051, 1128, 1142, 1168, 1237, 1900, 2278, 4422, 4760, 5228, 5304, 5540, 5554, 5577, 5640, 5716, 5730, 5753, 5816, 6016, 6031, 6110, 6111, 6241, 6293, 7382, 7396, 7649, 8015, 8159, 8302, 8449, 8596, 8743, 8890, 9037, 9184, 9566, 9581, 9849, 9864, 10290, 10589, 10635, 10655, 11173, 12076, 12483, 12495, 12507, 13055, 13121, 13126, 13172, 13191, 13327, 13341, 13364, 13423, 13562, 13698, 13712, 13735, 13926, 13941, 14110, 14125, 14377, 14559, 14596, 14888, 15070, 15097, 15129, 15563,		



6014, 6029, 6032,	16541,	16542,	478, 479, 486,
6033, 6166, 6168,	16543,	16551,	487, 488, 574,
6170, 6284, 6285,	16558,	16559,	597, 612, 708,
6291, 7380, 7383,	16560,	16568,	730, 731, 732,
7384, 7394, 7647,	16575,	16576,	733, 734, 772,
7940, 9505, 9564,	16577,	16585,	773, 774, 775,
9579, 9582, 9583,	16592,	16593,	776, 777, 778,
12063, 12153,	16594,	16602,	779, 780, 781,
12154, 12480,	16609,	16610,	816, 817, 818, 819,
12484, 12485,	16611,	16619,	820, 821, 822,
12492, 12497,	16627,	16628,	823, 824, 825,
12504, 12509,	16629,	16637,	826, 833, 860,
13199, 13201,	16646,	16647,	970, 981, 982,
13212, 13214,	16648,	16656,	983, 984, 985,
13225, 13227,	16666,	16667,	1023, 1024, 1025,
13236, 13238,	16668,	16676,	1026, 1027, 1028,
13255, 13298,	16701,	16702,	1029, 1030, 1031,
13311, 13322,	16703,	16711,	1032, 1067, 1068,
13323, 13328,	16751,	16752,	1069, 1070, 1071,
13339, 13362,	16753,	16776,	1072, 1073, 1074,
13365, 13366,	16838,	16839,	1075, 1076, 1077,
13693, 13694,	16840,	16846,	1084, 1111, 1219,
13699, 13710,	16849,	16896,	1230, 1231, 1232,
13733, 13736,	16956,	16961,	1233, 1234, 1272,
13737, 13747,	16984,	16991,	1273, 1274, 1275,
13760, 13808,	17549,	17575,	1276, 1277, 1278,
13924, 13939,	17576, 17637, 17642		1279, 1280, 1281,
13942, 13943,	\LEND 1772		1316, 1317, 1318,
13948, 13949,	\LenToUnit		1319, 1320, 1321,
14108, 14123,	. . . 7174, 7188, 7206		1322, 1323, 1324,
14126, 14127,	\leqno . . . 330, 13132,		1325, 1326, 1334,
14557, 14560,	13134, 17913, 17915		1360, 1361, 1365,
14561, 14593,	\let 83,		1381, 1382, 1383,
14597, 15068,	98, 111, 148, 149,		1419, 1420, 1421,
15071, 15072,	152, 153, 156, 157,		1446, 1447, 1448,
15095, 15098,	160, 180, 184, 199,		1449, 1454, 1489,
15099, 15126,	200, 228, 292,		1490, 1552, 1554,
15130, 15743,	321, 329, 330,		1556, 1612, 1654,
15746, 15747,	342, 374, 375,		1656, 1658, 1707,
15774, 15778,	378, 395, 399,		1708, 1709, 1710,
16298, 16310,	403, 408, 409,		1711, 1712, 1713,
16327, 16348,	410, 411, 412, 413,		1714, 1715, 1716,
16350, 16355,	414, 432, 433,		1717, 1855, 1856,
16359, 16360,	434, 435, 436,		1857, 1884, 1901,
16470, 16471,	437, 438, 439,		1902, 1903, 1904,
16472, 16480,	440, 441, 442,		1905, 1906, 1907,
16501, 16502,	443, 467, 468,		1908, 1909, 1911,
16503, 16511,	469, 470, 471,		1912, 1913, 2024,
16524, 16525,	472, 473, 474,		2025, 2026, 2027,
16526, 16534,	475, 476, 477,		2028, 2029, 2030,



2031, 2032, 2062,
2069, 2352, 2361,
2366, 2384, 2408,
2427, 2432, 2457,
2458, 2465, 2466,
2469, 2470, 2472,
2550, 2553, 2561,
2578, 2600, 2622,
2623, 2753, 2833,
2835, 2836, 2837,
2838, 2839, 2894,
2905, 2912, 2918,
2924, 2931, 2935,
2937, 3019, 3035,
3055, 3070, 3086,
3179, 3200, 3201,
3217, 3260, 3263,
3265, 3270, 3284,
3292, 3293, 3313,
3314, 3341, 3352,
3357, 3361, 3363,
3366, 3376, 3387,
3414, 3425, 3434,
3483, 3488, 3504,
3505, 3506, 3507,
3509, 3510, 3511,
3512, 3568, 3698,
3699, 3736, 3737,
3743, 3788, 3789,
3871, 3873, 3875,
4021, 4022, 4035,
4039, 4041, 4042,
4048, 4052, 4056,
4065, 4309, 4310,
4328, 4329, 4347,
4348, 4375, 4376,
4404, 4405, 4406,
4500, 4521, 4522,
4523, 4529, 4550,
4551, 4552, 4558,
4579, 4580, 4581,
4597, 4601, 4602,
4603, 4606, 4610,
4611, 4612, 4615,
4619, 4620, 4621,
4768, 4832, 4873,
4960, 5027, 5028,
5029, 5219, 5220,
5222, 5223, 5241,
5262, 5263, 5264,

5265, 5266, 5267,
5268, 5269, 5270,
5273, 5274, 5275,
5276, 5277, 5278,
5279, 5280, 5281,
5342, 5368, 5418,
5424, 5445, 5458,
5468, 5482, 5486,
5487, 5488, 5489,
5490, 5491, 5492,
5493, 5494, 5500,
5501, 5502, 5503,
5504, 5505, 5506,
5507, 5508, 5523,
5602, 5633, 5634,
5635, 5636, 5637,
5675, 5676, 5677,
5678, 5679, 5680,
5681, 5682, 5683,
5684, 5699, 5789,
5809, 5810, 5811,
5812, 5813, 5851,
5852, 5853, 5854,
5855, 5856, 5857,
5858, 5859, 5860,
5909, 5914, 5915,
5916, 5917, 5918,
5919, 5920, 5938,
5939, 5940, 5941,
5942, 5943, 5944,
5945, 5946, 5947,
5948, 5949, 5973,
5974, 5975, 5976,
5977, 5978, 5979,
5980, 5981, 5982,
5983, 5984, 5985,
5992, 5993, 5994,
6097, 6121, 6123,
6126, 6127, 6128,
6134, 6139, 6159,
6172, 6173, 6174,
6176, 6177, 6182,
6183, 6184, 6185,
6197, 6206, 6247,
6253, 6274, 7005,
7006, 7007, 7008,
7009, 7012, 7013,
7015, 7033, 7034,
7036, 7054, 7055,
7059, 7094, 7096,

7108, 7111, 7112,
7116, 7146, 7148,
7160, 7163, 7164,
7438, 7455, 7456,
7457, 7458, 7459,
7477, 7478, 7479,
7480, 7481, 7482,
7483, 7484, 7485,
7486, 7510, 7511,
7512, 7513, 7514,
7515, 7516, 7517,
7518, 7519, 7520,
7527, 7548, 7549,
7550, 7551, 7552,
7553, 7554, 7572,
7573, 7574, 7575,
7576, 7577, 7578,
7579, 7580, 7581,
7582, 7583, 7607,
7608, 7609, 7610,
7611, 7612, 7613,
7614, 7615, 7616,
7617, 7618, 7619,
7626, 7627, 7628,
7708, 7752, 7753,
7754, 7755, 7756,
7848, 7849, 7850,
7851, 7852, 7853,
7855, 7856, 7857,
7858, 7859, 7860,
7861, 7969, 7970,
7971, 7975, 7976,
7977, 7978, 7980,
8116, 8117, 8118,
8122, 8123, 8124,
8125, 8127, 8256,
8257, 8258, 8262,
8263, 8264, 8265,
8267, 8403, 8404,
8405, 8409, 8410,
8411, 8412, 8414,
8550, 8551, 8552,
8556, 8557, 8558,
8559, 8561, 8697,
8698, 8699, 8703,
8704, 8705, 8706,
8708, 8844, 8845,
8846, 8850, 8851,
8852, 8853, 8855,
8991, 8992, 8993,



8997, 8998, 8999,	11192,	11193,	13113,	13118,
9000, 9002, 9138,	11194,	11195,	13128,	13129,
9139, 9140, 9144,	11196,	11197,	13130,	13131,
9145, 9146, 9147,	11198,	11207,	13132,	13192,
9149, 9327, 9328,	11243,	11281,	13196,	13198,
9329, 9333, 9334,	11314,	11345,	13209,	13211,
9335, 9336, 9338,	11376,	11382,	13222,	13224,
9345, 9357, 9369,	11384,	11385,	13234,	13235,
9394, 9408, 9422,	11386,	11387,	13246,	13247,
9512, 9626, 9635,	11388,	11389,	13248,	13249,
9636, 9637, 9638,	11390,	11391,	13250,	13260,
9639, 9657, 9658,	11403,	11406,	13261,	13262,
9659, 9660, 9661,	11409,	11412,	13263,	13264,
9662, 9663, 9664,	11449,	11450,	13273,	13275,
9665, 9666, 9690,	11451,	11452,	13276,	13292,
9691, 9692, 9693,	11467,	11478,	13394,	13416,
9694, 9695, 9696,	11536,	11546,	13417,	13418,
9697, 9698, 9699,	11551,	11688,	13419,	13420,
9700, 9707, 9762,	11975,	11976,	13458,	13459,
9786, 9789, 9790,	11977,	11979,	13460,	13461,
9818, 9821, 9822,	11981,	11985,	13462,	13463,
9900, 9901, 9903,	11987,	11989,	13464,	13465,
9904, 9907, 9908,	11990,	11992,	13466,	13467,
9937, 9939, 9947,	11993,	11994,	13502,	13503,
9948, 9949, 9959,	11998,	12004,	13504,	13505,
9962, 10094,	12016,	12031,	13506,	13507,
10122, 10148,	12032,	12033,	13508,	13509,
10149, 10251,	12055,	12056,	13510,	13511,
10264, 10277,	12057,	12058,	13512,	13519,
10302, 10303,	12059,	12067,	13546,	13553,
10304, 10305,	12114,	12115,	13554,	13555,
10339, 10354,	12116,	12121,	13556,	13557,
10360, 10365,	12122,	12123,	13558,	13559,
10500, 10501,	12124,	12125,	13597,	13598,
10502, 10503,	12126,	12127,	13599,	13600,
10573, 10574,	12128,	12129,	13601,	13602,
10575, 10576,	12185,	12188,	13603,	13604,
10577, 10658,	12189,	12191,	13605,	13606,
10692, 10694,	12192,	12587,	13607,	13608,
11048, 11049,	12590,	12610,	13643,	13644,
11050, 11091,	12611,	12614,	13645,	13646,
11092, 11093,	12615,	12618,	13647,	13648,
11135, 11136,	12619,	12722,	13649,	13650,
11137, 11150,	12723,	12724,	13651,	13652,
11151, 11152,	12817,	12822,	13653,	13654,
11165, 11166,	12836,	12868,	13655,	13663,
11167, 11176,	13057,	13061,	13664,	13665,
11177, 11179,	13104,	13105,	13787,	13812,
11180, 11181,	13106,	13107,	13813,	13814,
11182, 11190,	13110,	13111,	13815,	13816,



13817,	13818,	14490,	14491,	15572,	15573,
13846,	13847,	14492,	14493,	15574,	15575,
13848,	13849,	14494,	14495,	15576,	15577,
13850,	13851,	14496,	14497,	15579,	15643,
13852,	13853,	14498,	14499,	15660,	15661,
13854,	13855,	14500,	14501,	15662,	15663,
13856,	13857,	14505,	14506,	15664,	15665,
13886,	13887,	14507,	14653,	15666,	15667,
13888,	13889,	14678,	14679,	15668,	15669,
13890,	13891,	14703,	14704,	15670,	15671,
13892,	13893,	14705,	14706,	15672,	15673,
13894,	13895,	14707,	14708,	15674,	15675,
13896,	13897,	14714,	14715,	15676,	15677,
13898,	13904,	14716,	14717,	15678,	15679,
13905,	13906,	14718,	14719,	15680,	15681,
13980,	14004,	14813,	14815,	15682,	15683,
14008,	14009,	14821,	14823,	15684,	15685,
14010,	14011,	14835,	14836,	15686,	15687,
14012,	14013,	14837,	14896,	15691,	15692,
14014,	14032,	14897,	14898,	15693,	15852,
14033,	14034,	14899,	14900,	15877,	15878,
14035,	14036,	14901,	14902,	15902,	15903,
14037,	14038,	14904,	14968,	15904,	15905,
14039,	14040,	14985,	14986,	15906,	15907,
14041,	14042,	14987,	14988,	15913,	15914,
14043,	14067,	14989,	14990,	15915,	15916,
14068,	14069,	14991,	14992,	15917,	15918,
14070,	14071,	14993,	14994,	16012,	16014,
14072,	14073,	14995,	14996,	16020,	16022,
14074,	14075,	14997,	14998,	16040,	16041,
14076,	14077,	14999,	15000,	16042,	16045,
14078,	14079,	15001,	15002,	16101,	16102,
14086,	14087,	15003,	15004,	16103,	16107,
14088,	14182,	15005,	15006,	16118,	16119,
14207,	14234,	15007,	15008,	16120,	16127,
14235,	14252,	15009,	15010,	16128,	16134,
14324,	14325,	15011,	15012,	16143,	16144,
14326,	14385,	15016,	15017,	16145,	16147,
14386,	14387,	15018,	15220,	16150,	16154,
14388,	14389,	15245,	15246,	16157,	16159,
14390,	14391,	15270,	15271,	16162,	16171,
14393,	14457,	15272,	15273,	16174,	16187,
14474,	14475,	15274,	15275,	16188,	16189,
14476,	14477,	15281,	15282,	16204,	16205,
14478,	14479,	15283,	15284,	16206,	16207,
14480,	14481,	15285,	15286,	16208,	16209,
14482,	14483,	15380,	15382,	16211,	16212,
14484,	14485,	15388,	15390,	16215,	16216,
14486,	14487,	15510,	15511,	16293,	16322,
14488,	14489,	15512,	15571,	16351,	16356,



16362,	16365,	17845,	17858,	14529,	14926,
16382,	16444,	17859,	17860,	15040,	15601,
16448,	16477,	17861,	17863,	15715,	16122,
16478,	16479,	17864,	17866,	16162, 17613, 17875	
16508,	16509,	17867,	17872,	\lineskiplimit	
16510,	16531,	17873,	17874,	. . . . . 9952, 17875	
16532,	16533,	17897,	17900,	\linespacing 24	
16548,	16549,	17912,	17913,	\linewidth 2306, 3765,	
16550,	16565,	17921,	17922,	9850, 9865, 9869,	
16566,	16567,	17923, 18059, 18061		10512, 10520,	
16582,	16583,	\Letter 2198		10521, 10523,	
16584,	16599,	\lettergroup 4884		10524, 10738,	
16600,	16601,	\LettrineDepth . . . 11607		11598, 11601,	
16616,	16617,	\LettrineFont 11548, 11558		11617, 12061,	
16618,	16634,	\LettrineFontEPS . 11556		12193, 12199,	
16635,	16636,	\LettrineHeight . . 11606		12789, 12791,	
16653,	16654,	\LettrineTextFont .		12809, 12811,	
16655,	16673,	. . . . . 11560, 11569		12945, 12951,	
16674,	16675,	\LettrineWidth		13037, 13046,	
16708,	16709,	. . . . . 11549, 11605		13047, 13098,	
16710,	16757,	\lftside 12987,		13100, 13253,	
16973,	16981,	12989, 12992,		13267, 14799,	
16986,	16993,	12994, 13008, 13010		15366, 15998,	
17010,	17013,	\line 6303, 6304,		17356, 17358,	
17073,	17131,	6306, 6307, 6313,		17449, 17450,	
17135,	17213,	6314, 6316, 6317,		17477, 17514,	
17218,	17228,	6326, 6327, 6329,		17516, 17517,	
17232,	17261,	6330, 6336, 6337,		17518, 17523,	
17271,	17275,	6339, 6340, 6349,		17525, 17526,	
17315,	17319,	6350, 6352, 6353,		17527, 17532,	
17362,	17363,	6359, 6360, 6362,		17534, 17535,	
17364,	17365,	6363, 6372, 6373,		17536, 17541,	
17368,	17369,	6375, 6376, 6382,		17543, 17544,	
17371,	17376,	6383, 6385, 6386,		17545, 17835, 17838	
17378,	17380,	13135, 13136, 13137		\link 2312	
17392,	17393,	\lineskip . . 198, 396,		\list 85, 294, 568, 702,	
17394,	17395,	421, 492, 752,		938, 964, 1213,	
17399,	17400,	837, 1003, 1088,		4815, 4833, 4842,	
17406,	17407,	1252, 1338, 1347,		4850, 5596, 5783,	
17408,	17422,	2182, 5655, 5831,		6091, 7432, 7702,	
17443,	17495,	5927, 5998, 7466,		9620, 12714,	
17548,	17551,	7531, 7561, 7632,		13388, 13781,	
17552,	17566,	9646, 9711, 9951,		13974, 14176,	
17567,	17585,	12017, 12064,		14637, 15204,	
17590,	17591,	13256, 13270,		15836, 16376, 17432	
17592,	17596,	13438, 13523,		\listdoubleitemmaincolumnwidth	
17608,	17609,	13577, 13669,		. . . . . 2252,	
17610,	17611,	13678, 13835,		2265, 2266,	
17617,	17618,	13911, 14021,		2267, 2294, 2298	
17619,	17843,	14092, 14415,		\listfigurename . . .	



..... 4737, 4738	10250,	10263,	\LRE . 1553, 1655, 11449,
\listitemmaincolumnwidth	10276,	10578,	13106, 13109,
..... 2251,	10588,	10634,	17013, 17364, 17367
2259, 2260, 2292	10675,	10682,	\LRfootnoterule ...
\listitemsymbol ...	11094,	11105,	. 7009, 7756, 10122
2193, 2250, 2291,	11116,	11127,	\lsb 1769, 1777
2293, 6816, 6914	11142,	11157,	\lst@caption . 11660,
\listitemsymbolwidth	11217,	11234,	11666, 11673, 11678
..... 2249,	11255,	11272,	\lst@alloverstyle .
2250, 2260, 2266	11288,	11305,	..... 1758, 1764
\listoffigures ... 4735	11319,	11336,	\lst@HRefStepCounter
\listoftables 4743	11350,	11367,	..... 11660, 11666
\listparindent	11462,	11641,	\lst@ifnumberbychapter
938, 4835, 4842,	12135,	12185,	..... 11688, 11689
4843, 17439, 17448	12235,	12257,	\lst@Key 11625
\listtablename 4745, 4746	12622,	12626,	\lst@MakeCaption ..
\llap 4822, 7229,	12630,	12926,	..... 11658, 11671
7881, 9767, 9772,	13120,	13421,	\lst@makecaption . 11656
10580, 10703,	13486,	13560,	\lst@maketitle
10705, 10707,	13627,	13822,	. 11657, 11683, 11685
10709, 10712,	13865,	14050,	\lst@title@dropdelim
10714, 10717,	14340,	14851,	..... 11657
10719, 11620,	15401,	15501,	\lstKV@SwitchCases 11626
16067, 16311, 16329	15526,	16039,	\lstset 1728
\LoadClass .. 5069, 5093	16227,	16231,	\LT@chl 11977, 11979
\long . 34, 47, 62, 243,	16234,	16238,	\LT@save@row 2074
256, 270, 450,	17207,	17382,	\LT@tabarray 11976, 11980
735, 800, 986,	17479,	17716,	\LT@array 2058, 11458,
1049, 1235, 1300,	17720,	17724,	11966, 14813,
1700, 1919, 1922,	17760,	17764,	14814, 15380,
1925, 1930, 1933,	17768, 17827, 17902		15381, 16012, 16013
1936, 2402, 2403,	\longindentation . 7736		\LT@bchunk 12007, 12014, 12018
2412, 2415, 2426,	\longtable 2046		\LT@caption .. 11985,
2518, 2522, 2555,	\longthickrule		14815, 14821,
2580, 2584, 2694,	..... 13903, 13909		14823, 15382,
2713, 2788, 2804,	\loop 6396, 6521,		15388, 15390,
2816, 2825, 2857,	6527, 6632, 6687,		16014, 16020, 16022
2885, 2897, 2898,	6699, 9306, 9316,		\LT@cols 12020,
3431, 3705, 3848,	11584, 12943,		14798, 15365, 15997
4108, 4112, 4116,	12979, 13006,		\LT@echunk 2064
4152, 4156, 4160,	13017, 13044, 16182		\LT@end@pen . 2080, 2088
4196, 4200, 4204,	\lower 13126,		\LT@endpbox 11987
4415, 4499, 4528,	13160, 13168,		\LT@entry ... 2062, 2069
4557, 5375, 5378,	17201, 17388, 17390		\LT@entry@chop ... 2062
5381, 5385, 5388,	\lowercase .. 3553, 4254		\LT@entry@write .. 2069
5391, 5638, 5814,	\lowertitleback ...		\LT@err 2055, 2089
5956, 6240, 7014,	14498, 15009, 15684		\LT@final@warn ... 2078
7035, 7493, 7590,	\LR 11450, 13106, 13126,		
9673, 10192,	17364, 17388, 17390		
10208, 10223,	\lrb 1770, 1779		



\LT@foot	2092, 2096, 2105, 2108, 11473, 11477	10529, 12357, 17668, 17696, 17698	5974, 5993, 7553, 7573, 7608, 7627,
\LT@get@widths . . .	2067	\LTRbiditytesidenotemarginpar . . .	10321, 12122,
\LT@head	2099, 2112	4135, 4460, 4608	13558, 13598,
\LT@hline	11985	\LTRcite	13644, 13664,
\LT@kill	11985	4522, 4551, 4580, 4602, 4611, 4620	13817, 13847,
\LT@lastfoot		\LTRcolumnfootnotes	13887, 13905,
.	2092, 2094, 2105	7863	14013, 14033,
\LT@LL@FM@cr	11994, 11998	\LTRdblcol	14068, 14087,
\LT@make@row	12015	17698	14390, 14475,
\LT@makecaption	12019, 14790, 15357, 15989	\LTRdfnmakecol . . .	14506, 14901,
\LT@mcrow	11975, 12020, 14798, 15365, 15997	\LTRfootnote	14986, 15017,
\LT@no@pgbk	11983, 11984	413, 487, 1856, 1864, 4591, 4941, 5919,	15576, 15661, 15692
\LT@nofcols	12014	5993, 7553, 7627, 10177, 13558,	\ltx@firstofthree
\LT@output	2086	13664, 13817,	10047, 10071
\LT@p@ftn	11212, 11215, 11219, 11229, 11250, 11253, 11257, 11267, 12038, 12039, 12041, 12042	13905, 14013, 14087, 14390, 14506, 14901, 15017, 15576, 15692	\ltx@ifundefined
\LT@p@ftntext	12031	\LTRfootnotetext	10041, 10065
\LT@p@LTRftntext	11210, 11217, 12032, 12037	1923, 1934, 5379, 5389, 10323, 10325, 11213, 12038, 16228, 16232	\ltx@secondofthree
\LT@p@RTLftntext	11248, 11255, 12033, 12040	\LTRfoottextfont	10050, 10074
\LT@rows	12009	7798, 7805, 7826, 7832, 7903, 7993, 8021, 8041, 8139, 8165, 8184, 8280, 8308, 8328, 8427, 8455, 8475, 8574, 8602, 8622, 8721, 8749, 8769, 8868, 8896, 8916, 9015, 9043, 9063, 9162, 9190, 9210, 9359, 9387, 9411	\ltx@thirdofthree
\LT@save@row	2063, 2072, 2074	\LTRight	10043, 10060, 10067
\LT@setprevdepth	12010	11971, 11973, 12012	
\LT@start	2065, 11475, 11485	\LTRmarginnote	M
\LT@startpbox	11991, 11998, 12029	\LTRmarginpar	\m@addvipersep
\LT@tabularcr	11981	\LTRmulticolcolumns	12302, 12384
\LT@warn	2076	12589	\m@m@float@spacing
\LT@capwidth	12020	\LTRsidenote	7867
\LT@left	11969, 11971, 11973, 12011	\LTRthanks	\m@m@footnote@spacing
\LT@post	2084	413, 433, 468, 487, 4941, 4949, 4966, 4982, 4993, 5919, 5939,	7764, 7780, 7796, 7812, 7825, 7838, 7866, 7982, 7992, 8002, 8028, 8040, 8053, 8080, 8093, 8129, 8138, 8147, 8172, 8183, 8195, 8221, 8233, 8269, 8279, 8289, 8315, 8327, 8340, 8367, 8380, 8416, 8426, 8436, 8462, 8474, 8487, 8514, 8527, 8563, 8573, 8583, 8609, 8621, 8634, 8661, 8674, 8710, 8720, 8730, 8756, 8768, 8781, 8808, 8821, 8857, 8867, 8877, 8903, 8915, 8928, 8955, 8968, 9004, 9014, 9024, 9050, 9062, 9075,
\LTR@column@boxes	12548, 12591, 12593		
\LTR@outputdblcol	6467, 9806,		



9102, 9115, 9151, 9161, 9171, 9197, 9209, 9222, 9249, 9262, 9346, 9358, 9370, 9396, 9410, 9424, 9458, 9472	\m@make@mpfourcolfootnotetext 8351, 8376	\m@make@sixcol@footgroup .. 8555, 8647, 8687
\m@make@h 7951, 7953, 7955, 7958, 7959, 7964	\m@make@mpninecol@footgroup .. 9001, 9089, 9132	\m@make@sixcolfootfmt 8646, 8682
\m@make@k 7951, 7953, 7958, 7961, 7962, 7964	\m@make@mpninecolfootnotetext 9086, 9111	\m@make@sixcolfootnotetext 8644, 8658
\m@make@colfloats 9510, 9551	\m@make@mppara@footgroup .. 9337, 9439, 9495	\m@make@tencol@footgroup .. 9143, 9235, 9275
\m@make@colintro 9525, 9544	\m@make@mpparafootnotetext 9436, 9468	\m@make@tencolfootfmt 9234, 9270
\m@make@coltext 9514, 9553	\m@make@mpsevencol@footgroup .. 8707, 8795, 8838	\m@make@tencolfootnotetext 9232, 9246
\m@make@singlespace . 7865	\m@make@mpsevencolfootnotetext 8792, 8817	\m@make@threecol@footgroup .. 8121, 8207, 8246
\m@make@eightcol@footgroup .. 8849, 8941, 8981	\m@make@mpsixcol@footgroup .. 8560, 8648, 8691	\m@make@threecolfootfmt 8206, 8241
\m@make@eightcolfootfmt 8940, 8976	\m@make@mpsixcolfootnotetext 8645, 8670	\m@make@threecolfootnotetext 8204, 8218
\m@make@eightcolfootnotetext 8938, 8952	\m@make@mptencol@footgroup .. 9148, 9236, 9279	\m@make@twocol@footgroup .. 7974, 8066, 8106
\m@make@fivecol@footgroup .. 8408, 8500, 8540	\m@make@mptencolfootnotetext 9233, 9258	\m@make@twocolfootfmt 8065, 8101
\m@make@fivecolfootfmt 8499, 8535	\m@make@mpthreecol@footgroup .. 8126, 8208, 8250	\m@make@twocolfootnotetext 8063, 8077
\m@make@fivecolfootnotetext 8497, 8511	\m@make@mpthreecolfootnotetext 8205, 8229	\m@make@doextrafeet 7894, 9550
\m@make@footstart 7937, 7947, 8068, 8209, 8355, 8502, 8649, 8796, 8943, 9090, 9237	\m@make@mptwocol@footgroup .. 7979, 8067, 8110	\m@make@doextrafeetendmini 7922, 7932
\m@make@fourcol@footgroup .. 8261, 8353, 8393	\m@make@mptwocolfootnotetext 8064, 8089	\m@make@doextrafeetmini 7913
\m@make@fourcolfootfmt 8352, 8388	\m@make@ninecol@footgroup .. 8996, 9088, 9128	\m@dmsplits .. 7956, 7960, 7961, 7962
\m@make@fourcolfootnotetext 8350, 8364	\m@make@ninecolfootfmt 9087, 9123	\m@minterparanoteglue 9298, 9300
\m@make@peightcol@footgroup .. 8854, 8942, 8985	\m@make@ninecolfootnotetext 9085, 9099	\m@mipn@skip 9290, 9297, 9299
\m@make@peightcolfootnotetext 8939, 8964	\m@make@para@footgroup .. 9332, 9438, 9488	\m@mmakehboxofhboxes 9302, 9313, 9491, 9498
\m@make@mpfivecol@footgroup .. 8413, 8501, 8544	\m@make@para@footstart 9440, 9502	\m@mfmf@prepare 7776, 7792, 7808, 7872, 7990, 8000, 8010, 8036, 8049, 8061, 8088, 8100, 8136, 8145, 8154, 8179, 8191, 8202, 8228, 8240, 8277, 8287, 8297, 8323, 8336, 8348, 8375, 8387, 8424, 8434, 8444, 8470, 8483,
\m@make@mpfivecolfootnotetext 8498, 8523	\m@make@parafootfmt 9437, 9482	
\m@make@mpfourcol@footgroup .. 8266, 8354, 8397	\m@make@parafootnotetext 9435, 9455	
	\m@make@sevenscol@footgroup .. 8702, 8794, 8834	
	\m@make@sevenscolfootfmt 8793, 8829	
	\m@make@sevenscolfootnotetext 8791, 8805	



8495, 8522, 8534, 8571, 8581, 8591, 8617, 8630, 8642, 8669, 8681, 8718, 8728, 8738, 8764, 8777, 8789, 8816, 8828, 8865, 8875, 8885, 8911, 8924, 8936, 8963, 8975, 9012, 9022, 9032, 9058, 9071, 9083, 9110, 9122, 9159, 9169, 9179, 9205, 9218, 9230, 9257, 9269, 9355, 9367, 9379, 9405, 9419, 9433, 9467, 9481	4103, 4147, 4191, 5866, 6024, 6061, 6396, 7402, 7411, 7671, 9574, 9591, 12522, 13184, 13934, 14118, 14155, 14547, 15113, 15761, 16456, 16498, 16782, 17711, 17755, 17790, 17793	9634, 9658, 9669, 9691, 11382, 11383, 12130, 13414, 13459, 13481, 13503, 13551, 13600, 13622, 13646, 13811, 13849, 13860, 13889, 14007, 14035, 14046, 14070, 14379, 14450, 14477, 14890, 14961, 14988, 15565, 15636, 15663
\m@mold@footnotetext 7848, 7855	\m@th 398, 7218, 7223, 7229, 9850, 9865, 12016, 16854, 16963, 17414, 17497, 17581, 17583, 17644	\maketitledetailsnewline 6972, 6987, 6989, 6990, 6991, 6992, 6993
\m@mold@LTRfootnotetext 7849, 7856	\maincolumnwidth 2247, 2256, 2257, 2258, 2259, 2261, 2265, 2280, 2284, 2309	\maketitledetailswidth 6964, 6966, 6967, 6968, 6969, 6984
\m@mold@mpfootnotetext 7851, 7858	\mainmatter 5120	\maketitlehookb .. 12180
\m@mold@mpLTRfootnotetext 7852, 7859	\makeatletter 2760, 2779	\maketitlehookc .. 12182
\m@mold@mpRTLfootnotetext 7853, 7860	\makebox 7217, 7222, 7291, 7294, 7297, 7304, 7312, 7319, 7360, 7364	\maketitlefullname .. 6958, 6959, 6961
\m@mold@RTLfootnotetext 7850, 7857	\makefooter 6881, 6882, 6898	\maketitlenamewidth .. 6956, 6957, 6961
\m@mopfootnote 9526, 9548	\MakeFramed 10378	\maketitlenamewidth 6960, 6961, 6967, 6979
\m@mopsidebar 9537, 9552	\makelabel . 4822, 17443	\maketitlepage 5003, 5045
\m@mremoveboxes 9322, 9323, 9492, 9499	\maketag@@@ 338, 7215, 7228	\maketitlepicturewidth 6962, 6963, 6969, 6998
\m@mrigidbalance 7953, 7958, 8109, 8113, 8249, 8253, 8396, 8400, 8543, 8547, 8690, 8694, 8837, 8841, 8984, 8988, 9131, 9135, 9278, 9282	\makethanksmark .. 12135	\MakeUppercase 121, 566, 593, 594, 609, 700, 857, 962, 1108, 1211, 5520, 5594, 5696, 5781, 5905, 5906, 6089, 7430, 7700, 9618, 13289, 13386, 13543, 13779, 14000, 14001, 14174
\m@msplitoff . 7961, 7963	\maketitle 106, 315, 322, 407, 435, 446, 470, 728, 773, 795, 817, 979, 1024, 1046, 1068, 1228, 1273, 1295, 1317, 1696, 1708, 2273, 4917, 5021, 5045, 5631, 5676, 5807, 5852, 5913, 5941, 5952, 5976, 6863, 6977, 7454, 7478, 7489, 7511, 7547, 7575, 7586, 7610,	\marginline 14696, 15263, 15895
\m@mungebox .. 9291, 9355, 9367, 9379, 9405, 9419, 9433, 9467, 9481		
\m@muvxh ... 9283, 9292		
\m@ne 306, 546, 555, 2456, 2558,		



\marginnote 4596	\mdf@frametitleaboveskip@length 10411, 10417,
\marginpar . . . 3675,	. . . . . 12094 10427, 10432,
4377, 14697,	\mdf@frametitlealignment 10434, 10441,
15264, 15896, 17049	. . . . . 12075 10449, 10462,
\marginparpush	\mdf@frametitlebelowskip@length 10470, 10475,
. 3608, 17809	. . . . . 12095 10480, 10493,
\marginparsep . 1686,	\mdf@frametitlebox 10504, 10512, 10524
2158, 3649, 3652,	. . 12074, 12087, \MessageBreak
3656, 3802,	12088, 12089, 144, 2076,
3809, 10702,	12090, 12092, 12093 2950, 2964, 2976,
10704, 10708,	\mdf@frametitlefont 2990, 3195, 3206,
10713, 10716,	. . . . . 12077 3213, 3225, 3231,
10718, 17820, 17822	\mdf@frametitlefontcolor 3329, 3382, 3383,
\marginparwidth 1685,	. . . . . 12076 3384, 3398, 3399,
2159, 3648, 3653,	\mdf@horizontalmargin@equation 3401, 3689, 3779,
3665, 3757, 4027,	. . . . . 12052 4006, 4007, 4075,
4120, 4164, 4208,	\mdf@ignorevbadness 4676, 4677, 4678,
10702, 10704,	. . . . . 12086 4680, 4681, 4685,
10716, 10718,	\mdf@lrbox . 12045, 12074 4686, 4687, 4689,
17728, 17772, 17822	\mdf@par@local . . 12068 4690, 12231,
\markboth	\mdf@patchamsthm . 12046 12232, 12525,
120, 560, 5125, 7416	\mdfframetitleenv 12073 12544, 12606,
\mathindent . 9851, 9867	\mdfframetitleboxdepth 14451, 14663,
\mathsurround 6138	. . . . . 12090 14670, 14962,
\max@poem@no	\mdfframetitleboxheight 15230, 15237,
. . 5320, 5429, 5430	. . . . . 12089 15637, 15862, 15869
\maxdepth 9554	\mdfframetitleboxtotalheight 7231, 7237, 7250,
\maxdimen 9351,	. . . . . 12091 7265, 7277, 7285,
9363, 9375, 9401,	\mdfframetitleboxwidth 7332, 7348, 7350,
9415, 9429, 9463,	. . . . . 12088 7354, 7355, 7357
9477, 9734, 9778,	\mdseries 309, \MHInternalSyntaxOff
9779, 9780, 9810,	6857, 6859, 6861, 7372
9811, 9812, 10385,	6862, 6949, 6950, \MHInternalSyntaxOn 7212
16175, 16214,	6951, 6954, 6955 \MidFrameCommand . .
16914, 16917,	. . . . . 10374, 10418, 10486
16922, 16926,	\meaning 2365, \minrowclearance . .
16930, 16934,	2368, 2524, 2750, 1451, 1485, 6235
16938, 16942,	2777, 2792, 2810, \mintagvsep 7232
16946, 16950, 17135	2818, 2827, 2891 \missingfigure
\mbox . 10663, 11620, 15504	\medskip 5227 17093, 17123
\mc@col@status@write	\medskipamount . . . 7738 \mkern 16855,
. 12552, 12573	\mem@makecol . 9543, 9555 16856, 16964, 17645
\mc@gridwarn 12542	\memRTLleftskip . . 12153 \mobile 2235
\mc@lastcol@status@write	\memRTLraggedleft 12158 \Mobilefone 2195
. 12558, 12581	\memRTLraggedright 12157 \mobilesymbol
\mdf@footnotedistance@length	\memRTLrightskip . 12154 . . 2195, 6891, 6989
. 12102	\memRTLvleftskip . 12155 \modernpoem 5482
\mdf@footnoteinput 12110	\memRTLvrightskip 12156 \modernpoem@obeylines
\mdf@footnoteoutput	\message . 1637, 1639, 5222, 5482
. 12099	10386, 10394,
	10398, 10403,



<code>\modernpoem@par</code> . . .	N	2521, 2528, 2532,
.. 5222, 5223, 5446	<code>\n@xt</code> 1552, 1554,	2538, 2545, 2548,
<code>\morefloats</code> . 3909, 4006	1556, 1557, 1654,	2551, 2554, 2569,
<code>\moreLRE</code> 1554,	1656, 1658, 1659	2613, 2618, 2740,
1656, 13062, 17320	<code>\na</code> 12965, 12967,	2764, 2815, 2824,
<code>\moreRLE</code> 1556,	12969, 12978,	2901, 2915, 2927,
1658, 13063, 17321	12980, 13005, 13006	3017, 3018, 3034,
<code>\moveleft</code> . . 4059, 12437	<code>\narrower</code> 17574	3049, 3053, 3059,
<code>\moveright</code>	<code>\NAT@bibitem@first@sw</code>	3062, 3065, 3068,
. 9953, 12535, 17878	. . . . . 12722	3073, 3076, 3079,
<code>\mp@footgroupv@r</code> . .	<code>\nb</code> 12965, 12968, 12969,	3083, 3087, 3090,
7918, 7950, 7980,	12978, 12979,	3091, 3092, 3094,
8127, 8267, 8414,	13000, 13016, 13017	3102, 3111, 3113,
8561, 8708, 8855,	<code>\NC@find</code> 16181	3123, 3125, 3137,
9002, 9149, 9338	<code>\NC@rewrite@X</code> 16180	3139, 3146, 3154,
<code>\mpfootnoterule</code> . . .	<code>\NeedsTeXFormat</code> . . .	3156, 3165, 3167,
. 10149, 10153	. . . . . 1492, 1663,	3178, 3180, 3181,
<code>\MT</code> 7251, 7257, 7259	1719, 1852, 2114,	3185, 3189, 3259,
<code>\mult@cols</code> 12621	2362, 3514, 4084,	3269, 3273, 3278,
<code>\mult@footnotetext</code>	4623, 4769, 4885,	3312, 3350, 3373,
. 147, 149,	4912, 5061, 5085,	3374, 3375, 3407,
12609, 12611, 12622	5150, 6801, 6899	3408, 3409, 3410,
<code>\mult@Gfirstbox</code> . . .	<code>\new@command</code> . 2560, 2562	3421, 3518, 3519,
12549, 12563, 12569	<code>\new@poem@width</code> 5237,	3520, 3521, 3544,
<code>\mult@info</code> 12523	5238, 5239, 5240,	3547, 3552, 3583,
<code>\mult@LTRfootnotetext</code>	5325, 5367, 5370	3610, 3611, 3612,
. 151, 153,	<code>\newblock</code> 2360, 5337,	3613, 3628, 3647,
12613, 12615, 12626	5444, 12716, 12718	3683, 3685, 3686,
<code>\mult@rightbox</code>	<code>\newboolean</code>	3691, 3692, 3694,
. . 12516, 12556,	. . . . . 3522, 3526,	3695, 3702, 3703,
12557, 12559,	3528, 3530, 3531,	3704, 3712, 3715,
12578, 12579, 12582	3543, 3616, 3626,	3797, 3815, 4025,
<code>\mult@RTLfootnotetext</code>	3693, 3716, 4011,	4033, 4043, 4046,
. 155, 157,	4632, 4891, 4918	4054, 4223, 4224,
12617, 12619, 12630	<code>\newbox</code> 5292, 5293	4225, 4226, 4227,
<code>\multfootsep</code> . 4419, 4437	<code>\newcommand</code> 1757, 1763,	4228, 4229, 4230,
<code>\multicol@leftmargin</code>	1766, 1767, 1768,	4231, 4232, 4233,
. 12526, 12535	1769, 1770, 1771,	4234, 4235, 4236,
<code>\multicols</code> . 2048, 12594	1772, 2139, 2225,	4245, 4253, 4307,
<code>\multicolumn</code> 11975, 16149	2230, 2231, 2232,	4326, 4345, 4367,
<code>\multiplefootnotemarker</code>	2234, 2235, 2236,	4373, 4398, 4399,
. 4418, 4434,	2238, 2239, 2241,	4433, 4586, 4587,
4525, 4526, 4554,	2242, 2253, 2254,	4588, 4596, 4605,
4555, 4583, 4584,	2274, 2281, 2283,	4614, 4627, 4628,
7871, 7873, 7874	2287, 2291, 2293,	4751, 4804, 4884,
<code>\multiply</code>	2299, 2308, 2310,	4897, 4931, 4932,
1670, 1675, 2014,	2312, 2316, 2320,	4933, 4934, 4935,
9341, 9342, 9452,	2325, 2337, 2360,	4936, 4937, 4938,
9453, 12962, 12966	2480, 2486, 2498,	4989, 5003, 5179,
<code>\myrefname</code> 15455	2504, 2516, 2519,	5186, 5195, 5199,



5209, 5228, 5432, 5433, 6972, 7166, 7167, 9965, 9968, 10027, 10032, 10034, 10040, 10056, 10080, 10092, 10146, 10240, 10242, 10726, 11631, 12586, 12589, 12592, 14322, 14323, 14833, 14834, 15508, 15509, 17004, 17006, 17311, 17312, 17555, 17556, 17697, 17698	3915, 3916, 3917, 3918, 3919, 3920, 3921, 3922, 3923, 3924, 3925, 3926, 3927, 3928, 3929, 3930, 3931, 3932, 3933, 3934, 3935, 3936, 3937, 3938, 3939, 3940, 3941, 3942, 3943, 3944, 3945, 3961, 3962, 3963, 3964, 3965, 3966, 3967, 3968, 3969, 3970, 3971, 3972, 3973, 3974, 3975, 3976, 3977, 3978, 3979, 3980, 3981, 3982, 3983, 3984, 3985, 3986, 7870, 7943, 7949	14466, 14977, 15652 \newpoem@tabcr 5445, 5454, 5455 \newsavebox .. 1803, 3661, 3696, 3697 \newskip .. 1841, 1842, 1843, 2563, 9297 \newthought 4825 \newtoks 1854, 2376, 2377, 5235, 10033, 13058, 17316 \next@tpage 14396, 14428, 14438, 14441, 14509, 14907, 14939, 14949, 14952, 15020, 15582, 15614, 15624, 15627, 15695 \ninecolumnfootnotes 8989 \ninecolumnfootstyle 9084 \nl 184 \no@bib@break 14649, 15216, 15848 \noalign . 1365, 2061, 5348, 7961, 11982, 11983, 11984, 14791, 14816, 14818, 15358, 15383, 15385, 15990, 16015, 16017 \nobibliography .. 4303 \nobreak 14, 16, 215, 217, 512, 530, 557, 561, 648, 649, 663, 689, 875, 876, 890, 906, 1129, 1130, 1144, 1171, 2112, 3438, 4426, 4763, 4764, 5248, 5250, 5256, 5541, 5542, 5556, 5580, 5717, 5718, 5732, 5756, 5869, 5877, 5889, 6018, 6034, 6064, 6069, 6077, 6286, 7385, 7398, 7413, 7417,
\newcount 1666, 1667, 7951 \newcounter 4306, 5428, 9876, 10025, 16685, 16689, 16690 \newdimen 5183, 5184, 5234, 7951 \newenvironment 1804, 1815, 1824, 1833, 2338, 3662, 3677, 3680, 3718, 3839, 5417, 5481, 17511, 17520, 17529, 17538 \newfloat@@setwithin 12749, 12755, 12763, 12765 \newfloat@Error .. 12768 \newfloat@setwithin 12735 \newif 1532, 1534, 1535, 1536, 1537, 1538, 1539, 1540, 1542, 1543, 1642, 1643, 1644, 1645, 2116, 2145, 2324, 2766, 5106, 5294, 6804, 6806, 6808, 6810, 6875, 6902, 6904, 6906, 6908, 6971, 10023, 10031, 12044, 17002, 17003 \newinsert 3912, 3913, 3914,	\newlength 2243, 2244, 2245, 2247, 2248, 2249, 2251, 2252, 2335, 3644, 3645, 3646, 3700, 3717, 4496, 6956, 6958, 6960, 6962, 6964, 16717, 16719, 16720 \newline 2306, 3873 \newlinechar 1613 \newlinetospace 3870, 3890, 3891, 3892, 5126, 5127, 5128 \newlistentry 16682, 16749 \newpage . . . 460, 482, 809, 829, 1060, 1080, 1309, 1329, 3376, 3378, 3382, 3387, 3388, 3391, 3395, 3397, 3400, 5022, 5059, 5060, 5966, 5988, 6798, 7503, 7523, 7600, 7622, 9683, 9703, 11982, 12144, 13495, 13515, 13636, 13658, 13879, 13901, 14060, 14082,	



7425, 7651, 7674, 7679, 7688, 7731, 7732, 9568, 9584, 9593, 9597, 9605, 11174, 11504, 12101, 12486, 12497, 12498, 12509, 12510, 13187, 13189, 13328, 13329, 13343, 13367, 13699, 13700, 13714, 13738, 13928, 13944, 14112, 14128, 14157, 14161, 14169, 14562, 14563, 14597, 14598, 14600, 14625, 15073, 15074, 15100, 15101, 15130, 15131, 15133, 15501, 15748, 15749, 15778, 15779, 15781, 16316, 16333, 16340, 16480, 16483, 16511, 16512, 16534, 16535, 16551, 16552, 16568, 16569, 16585, 16586, 16602, 16603, 16619, 16620, 16637, 16638, 16656, 16657, 16676, 16677, 16711, 16712, 16747, 16847, 16852, 16860, 16961, 16962, 16966, 17642, 17643, 17647 \nobreakspace 556 \node . 17047, 17077, 17083 \noexpand 388, 1876, 1877, 1891, 1892, 1920, 1923, 1926, 2070, 2372,	2381, 2385, 2405, 2409, 2476, 2523, 2524, 2526, 2745, 2746, 2747, 2749, 2750, 2775, 2777, 2795, 2796, 2797, 2800, 2807, 2808, 2809, 2811, 2817, 2818, 2820, 2826, 2827, 2829, 2888, 2890, 2891, 3043, 3204, 3205, 3207, 3343, 3448, 3482, 3483, 4275, 4277, 4285, 4675, 4678, 4684, 4687, 5376, 5379, 5382, 5434, 6590, 6755, 7108, 7160, 9878, 9879, 9884, 9885, 9937, 11203, 11213, 11221, 11222, 11223, 11225, 11251, 11259, 11260, 11261, 11263, 11292, 11293, 11294, 11296, 11323, 11324, 11325, 11327, 11354, 11355, 11356, 11358, 12011, 12038, 12041, 12248, 14646, 14647, 15213, 15214, 15845, 15846, 16043, 16116, 16154, 16155, 16228, 16235, 16692, 16986, 16987, 16988, 16989, 16990, 16991, 16992, 16993, 16994, 17236, 17251, 17279, 17285, 17298, 17504, 17505, 17606, 17843 \noindent . . 167, 169,	450, 624, 633, 930, 1181, 1190, 1700, 3671, 3858, 4448, 4465, 4482, 4599, 4608, 4617, 4827, 4847, 5008, 5010, 5012, 5203, 5590, 5777, 5956, 6151, 7493, 7590, 7734, 9353, 9365, 9377, 9403, 9417, 9431, 9465, 9479, 9494, 9501, 9673, 10579, 11618, 12208, 13304, 13313, 13753, 13762, 13827, 13870, 14050, 14359, 14396, 14509, 14625, 14738, 14743, 14870, 14907, 15020, 15305, 15310, 15416, 15445, 15451, 15457, 15463, 15469, 15475, 15481, 15487, 15493, 15502, 15545, 15582, 15695, 15937, 15942, 17025, 17028, 17030, 17032, 17035, 17039, 17041, 17097, 17159, 17573 \nointerlineskip 7025, 7046, 10357, 12084, 12533, 17817, 17825 \nopagebreak 5302, 5312, 11984 \nopagenumbers . . . 2325 \normalbaselines . 17414 \normalbaselineskip 313, 3569, 12065, 13257, 13271 \normalcolor 2022, 6247, 7346, 7918, 7928,
---	---	---



9533, 10313,	4332, 4351, 4726,	16637, 16656,
10366, 11490,	6859, 6951, 9946,	16676, 16711,
12103, 12511,	12266, 13910,	16847, 16961, 17642
16967, 17213,	14366, 14373,	\number 8, 135,
17648, 17679,	14877, 14884,	209, 2761, 5320,
17882, 17892, 17917	15552, 15559,	5421, 7032, 7053,
\normalfont 25,	17739, 17783, 17870	7098, 7104, 7107,
37, 50, 65, 82,	\NOT 3758,	7150, 7156, 7159,
246, 259, 273,	3759, 3798, 3818,	7269, 7272, 12597
291, 449, 452,	3822, 4502, 4531,	\numberline
554, 799, 801,	4560, 4642, 4646	. . . 3851, 11673,
1052, 1299, 1301,	\null 415,	11678, 12260,
1699, 1702, 1766,	429, 483, 622,	16410, 16757,
1771, 1772, 1774,	625, 740, 769,	16975, 16978, 16981
1775, 1776, 1777,	830, 928, 931,	\numberline@tempa 16977
1778, 1779, 1780,	991, 1020, 1081,	\numberwithin 331
3610, 4223, 4313,	1179, 1182, 1240,	\numexpr 3455
4332, 4351, 4417,	1269, 1330, 4763,	\nxLcs . . 1782, 1783, 1784
4649, 4656, 4663,	5337, 5588, 5591,	
4855, 5865, 5885,	5643, 5672, 5775,	O
5955, 5958, 6060,	5778, 5819, 5848,	\obeylines . . 5338, 5446
6075, 7218, 7223,	5921, 5935, 5989,	\oddpaper 1667,
7229, 7410, 7423,	7460, 7474, 7524,	1671, 1672, 1673,
7492, 7495, 7589,	7555, 7569, 7623,	1676, 1677, 1678
7592, 7670, 7686,	9640, 9654, 9704,	\oddsidemargin 1689,
7882, 7886, 7888,	12487, 12497,	2154, 7197, 17859
9590, 9603, 9672,	12498, 12509,	\on@line 17505
9675, 11490,	12510, 13302,	\on@stripcols@break
12077, 12134,	13305, 13426,	. . . . . 6674
12511, 13485,	13455, 13516,	\onecolumn
13487, 13626,	13565, 13594,	. . 598, 614, 862,
13628, 13821,	13659, 13751,	1113, 2192, 5525,
13828, 13864,	13754, 13829,	5701, 5910, 13294,
13871, 14049,	13843, 13902,	13548, 14005, 16445
14052, 14154,	14015, 14029,	\opening 7719, 11492
14167, 16737,	14083, 14405,	\OptArg 1783, 1849
16742, 16743,	14427, 14438,	\OptArg@i . . . 1849, 1850
16967, 17648, 17917	14509, 14517,	\OptArg@ii . . 1849, 1851
\normalfootnotes . .	14597, 14916,	\OptArgs 1848
. 7854, 7861	14938, 14949,	\optparams . . . 3738,
\normallineskip . .	15020, 15028,	4586, 4587, 4588,
. 198, 2183,	15130, 15591,	4590, 4591, 4592
12064, 13256, 13270	15613, 15624,	\OR 3732, 3798,
\normalparindent 41,	15695, 15703,	3818, 3822, 4074
54, 69, 250, 263, 277	15778, 16068,	\or 1401, 1402,
\normalsfcodes	16074, 16096,	1403, 1405, 1406,
. 9946, 17871	16480, 16511,	1426, 1427, 1428,
\normalsize 309, 3562,	16534, 16551,	1432, 1433, 1434,
3563, 3570, 4131,	16568, 16585,	1435, 1436, 1440,
4175, 4219, 4313,	16602, 16619,	1441, 1469, 1470,



1471, 1473, 1474,
1564, 1570, 1576,
1578, 1580, 1582,
1588, 1594, 1600,
6218, 6219, 6220,
6222, 6223, 7290,
7293, 7296, 7311,
7334, 7335, 7336,
7337, 11030,
11034, 16724,
16727, 16730,
16900, 17011,
17018, 17240, 17289
\orig@footnotetext
.. 148, 12610, 12625
\orig@LTRfootnotetext
.. 152, 12614, 12629
\orig@RTLfootnotetext
.. 156, 12618, 12633
\origin@RaggedLeft
13275, 13277, 13278
\origin@RaggedRight
13276, 13277, 13278
\originalHbadness .
..... 17073, 17091
\othermargin 872
\outer@nobreak
2040, 4125, 4169,
4213, 17733, 17777
\outputpenalty
... 2087, 2088,
6564, 6565, 6573,
6574, 6583, 6584,
6728, 6729, 6737,
6738, 6747, 6748
\overfullrule 2143, 2144

P

\p@ . 27, 29, 30, 31, 95,
99, 225, 229, 237,
239, 240, 241,
313, 416, 505,
522, 534, 536,
538, 540, 591,
596, 607, 611,
640, 656, 674,
681, 716, 722, 741,
855, 859, 866,
882, 899, 917,
952, 954, 957,

959, 992, 1106,
1110, 1121, 1137,
1155, 1163, 1195,
1201, 1241, 2182,
2183, 2187, 2188,
3564, 3565, 3566,
3573, 3574, 3575,
3577, 3578, 4774,
4775, 4776, 4778,
4779, 4845, 5518,
5522, 5533, 5549,
5565, 5572, 5610,
5616, 5644, 5694,
5698, 5709, 5725,
5741, 5748, 5763,
5769, 5820, 5864,
5870, 5875, 5879,
5881, 5884, 5887,
5891, 5893, 5903,
5908, 5922, 6011,
6026, 6039, 6041,
6043, 6045, 6059,
6065, 6070, 6073,
6078, 6301, 6311,
6324, 6334, 6347,
6357, 6370, 6380,
6697, 7010, 7011,
7377, 7391, 7446,
7448, 7450, 7452,
7461, 7556, 7645,
7669, 7675, 7680,
7684, 7689, 7744,
7746, 7748, 7750,
7757, 7758, 9561,
9576, 9589, 9594,
9598, 9601, 9606,
9609, 9611, 9613,
9615, 9641, 9742,
10112, 10114,
10115, 10116,
10117, 10118,
10150, 10593,
10600, 10639,
10646, 10691,
11488, 11506,
11508, 11510,
11512, 12186,
12479, 12491,
12503, 12635,
12637, 12638,

12639, 13287,
13291, 13320,
13336, 13352,
13359, 13374,
13380, 13427,
13541, 13545,
13566, 13691,
13707, 13723,
13730, 13795,
13801, 13830,
13922, 13936,
13952, 13954,
13956, 13958,
13998, 14003,
14016, 14105,
14120, 14133,
14135, 14137,
14139, 14153,
14158, 14162,
14165, 14170,
14367, 14371,
14374, 14378,
14549, 14584,
14684, 14687,
14689, 14692,
14878, 14882,
14885, 14889,
15060, 15087,
15117, 15251,
15254, 15256,
15259, 15422,
15424, 15426,
15428, 15553,
15557, 15560,
15564, 15735,
15765, 15883,
15886, 15888,
15891, 16443,
16718, 16771,
16955, 17636, 17927

\p@enumiv 83, 292, 574,
708, 970, 1219,
2352, 5602, 5789,
6097, 7438, 7708,
9626, 13394,
13787, 13980,
14182, 14653,
15220, 15852, 16382
\p@subfigure 16127
\p@subtable 16128



<code>\PackageError</code> . . 140, 2442, 2565, 3392, 3519, 3555, 3557, 4256, 4258, 4628, 11630, 11766, 11769, 11772, 11775, 11778, 11781, 11784, 11788, 11791, 11794, 11797, 11800, 11803, 11806, 11809, 11812, 11815, 11818, 11821, 11824, 11827, 11830, 11833, 11836, 11839, 11842, 11845, 11848, 11851, 11854, 11857, 11860, 11863, 11866, 11869, 11872, 11875, 11878, 11881, 11884, 11887, 11890, 11893, 11896, 11899, 11902, 11905, 11908, 11911, 11914, 11917, 11920, 11923, 11926, 11929, 11932, 11935, 11938, 11941, 11944, 11947, 11950, 11953, 11956, 11959, 11962, 12602, 16344, 16696	<code>\page@sofar</code> . 160, 12515 <code>\pagebreak</code> 11983, 17143, 17152 <code>\pagedepth</code> 17137 <code>\pagefillstretch</code> . 17149 <code>\pagefilstretch</code> . . 17148 <code>\pagefootnoterule</code> 10148, 10156 <code>\pagegoal</code> 2083, 2093, 10385, 10387, 10392, 10399, 10440, 10442, 12449, 17140 <code>\pageinwindow</code> 6403 <code>\pagenumbering</code> 2190, 5110 <code>\pageref</code> 2329, 2331 <code>\pageshrink</code> . . 10401, 10405, 10421, 10447, 10459, 17143 <code>\pagestretch</code> . . 10400, 10421, 10459, 17147 <code>\pagestyle</code> . . . 1665, 2181, 2189, 2332, 3878, 5111, 6897 <code>\pagetotal</code> . . . 10387, 10392, 10398, 12143, 12447, 12450, 12461, 17135, 17140, 17198 <code>\paperheight</code> 2118, 2121, 2124, 2127, 2130, 2133, 2136, 2137, 7174 <code>\paperwidth</code> . . . 2119, 2122, 2125, 2128, 2131, 2134, 2137, 2138, 7174, 7182 <code>\par</code> . 5, 15, 45, 58, 73, 103, 104, 105, 106, 168, 170, 206, 216, 233, 234, 235, 254, 267, 281, 312, 315, 399, 418, 424, 426, 427, 446, 489, 495, 499, 511, 530, 557, 560, 625, 635, 649, 662, 689, 749, 759, 766, 767,	795, 834, 840, 844, 876, 890, 905, 931, 945, 1000, 1010, 1017, 1018, 1046, 1085, 1091, 1095, 1130, 1143, 1171, 1182, 1192, 1249, 1259, 1266, 1267, 1295, 1335, 1341, 1346, 1351, 1354, 1696, 2038, 2047, 3752, 3760, 3819, 3820, 3823, 3824, 3849, 3858, 3859, 4028, 4044, 4765, 4880, 4881, 4882, 4883, 5008, 5010, 5012, 5030, 5031, 5032, 5206, 5313, 5327, 5338, 5356, 5438, 5446, 5471, 5542, 5555, 5580, 5591, 5652, 5662, 5669, 5670, 5718, 5731, 5756, 5778, 5828, 5838, 5845, 5846, 5869, 5877, 5889, 5924, 5930, 5932, 5933, 5952, 5995, 6001, 6005, 6017, 6034, 6064, 6069, 6077, 6153, 6286, 6658, 7018, 7039, 7385, 7397, 7413, 7416, 7424, 7463, 7469, 7471, 7472, 7489, 7528, 7534, 7538, 7558, 7564, 7566, 7567, 7586, 7629, 7635, 7639, 7650, 7674, 7679, 7688, 7721, 7726, 7729, 7731, 7732, 7742, 7924, 8018, 8021, 8024, 8105, 8162, 8165, 8168, 8245, 8305, 8308, 8311, 8392, 8452, 8455, 8458, 8539,
<code>\PackageInfo</code> . . 2567, 3080, 3182, 3329, 3521, 16997		
<code>\PackageWarning</code> 134, 2566, 3183, 3212, 5423, 6813, 6911, 9880, 10491, 11532, 12543, 12596, 12729, 16687		
<code>\PackageWarningNoLine</code> 3379		



8599, 8602, 8605,	13944,	14018,	15701,	15707,
8686, 8746, 8749,	14024,	14026,	15710,	15712,
8752, 8833, 8893,	14027,	14046,	15718,	15721,
8896, 8899, 8980,	14089,	14095,	15723,	15726,
9040, 9043, 9046,	14099,	14111,	15729,	15750,
9127, 9187, 9190,	14128,	14157,	15782,	15932,
9193, 9274, 9494,	14161,	14169,	15936,	15937,
9501, 9567, 9584,	14358,	14403,	15941,	15942,
9593, 9597, 9605,	14408,	14411,	15946,	16159,
9643, 9649, 9651,	14413,	14418,	16748,	16754,
9652, 9669, 9708,	14421,	14423,	16866,	16968,
9714, 9718, 9874,	14425,	14431,	17025,	17026,
10309,	14439,	14445,	17032,	17033,
11499,	14515,	14521,	17035,	17043,
11504,	14524,	14526,	17096,	17356,
11650,	14532,	14535,	17357,	17358,
12057,	14537,	14540,	17359,	17512,
12084,	14543,	14564,	17521,	17530,
12202,	14601,	14625,	17539,	17610,
12214,	14733,	14737,	17649, 17906, 17927	
12224,	14738,	14742,	\par@updaterelative	
12258,	14743,	14747,	..... 14399,	
12487,	14869,	14914,	14511, 14910,	
12512,	14919,	14922,	15022, 15585, 15697	
12655,	14924,	14929,	\paragraph 4661	
12929,	14932,	14934,	\paragraphfootnotes	
13099,	14936,	14942,	..... 9325	
13101,	14950,	14956,	\paragraphfootstyle	
13180,	15026,	15032,	..... 9434	
13188,	15035,	15037,	\parbox .. 2278, 2280,	
13262,	15043,	15046,	6885, 7737, 9765,	
13315,	15048,	15051,	9766, 9767, 9770,	
13342,	15054,	15075,	9771, 9772, 10831,	
13435,	15102,	15134,	10833, 10837,	
13452,	15300,	15304,	10839, 10870,	
13481,	15305,	15309,	10871, 10874,	
13526,	15310,	15314,	10875, 10932,	
13574,	15415,	15445,	10933, 10936,	
13591,	15451,	15457,	10937, 10961,	
13622,	15463,	15469,	10963, 10967,	
13672,	15475,	15481,	10969, 12020,	
13682,	15487,	15493,	12196, 12225,	
13700,	15495,	15498,	12641, 12643,	
13738,	15501,	15505,	12644, 12646,	
13764,	15544,	15589,	12648, 12649,	
13832,	15594,	15597,	12651, 12653,	
13840,	15599,	15604,	12655, 12656,	
13860,	15607,	15609,	12658, 12660,	
13908,	15611,	15617,	12661, 12662,	
13916,	15625,	15631,	12663, 12664,	



12665,	12667,	16324,	16354,	13560,	13577,
12668,	12669,	16472,	16503,	13697,	13710,
12670,	12671,	16526,	16543,	13733,	13827,
12672,	12673,	16560,	16577,	13870,	13907,
12674,	12675,	16594,	16611,	13924,	13939,
12676,	12678,	16629,	16648,	14002,	14050,
12679,	12680,	16668,	16703,	14108,	14123,
12681,	12683,	16840,	16842,	14154,	14166,
12684,	12685,	16956, 17550, 17637		14359,	14557,
12686,	12688,	\parindent 12, 41, 54,		14593,	14870,
12689,	12690,	69, 99, 213, 229,		15068,	15095,
12691,	12692,	250, 263, 277,		15126,	15416,
12693,	12695,	450, 508, 525,		15545,	15743,
12696,	12697,	552, 595, 610,		15774,	16305,
12698,	12699,	646, 659, 684,		16342,	16442,
12700,	12702,	735, 752, 858,		16473,	16504,
12703,	12704,	873, 885, 902,		16527,	16544,
12705,	12706,	939, 986, 1003,		16561,	16578,
14799,	15366,	1049, 1109, 1127,		16595,	16612,
15445,	15451,	1140, 1166, 1235,		16630,	16649,
15457,	15463,	1252, 1700, 2185,		16669,	16704,
15469,	15475,	3586, 4239, 4757,		16776,	16837,
15481,	15487,	4799, 4807, 4872,		16838,	16957,
15493, 15504, 15998		5025, 5331, 5441,		17448,	17550,
\parfillskip 13,		5521, 5539, 5552,		17575, 17576, 17638	
214, 509, 526,		5575, 5638, 5655,		\parsep . . . 942, 3578,	
644, 660, 685,		5697, 5715, 5728,		3579, 4779, 4780,	
870, 886, 903,		5751, 5814, 5831,		4818, 4845, 17447	
1125, 1141, 1167,		5865, 5885, 5907,		\parshape 6150,	
4756, 5332, 5537,		5956, 6014, 6029,		10513,	10521,
5553, 5576, 5713,		6060, 6074, 6178,		11619,	12791,
5729, 5752, 6015,		6200, 6291, 7380,		12811,	12935,
6030, 6181, 6292,		7394, 7408, 7421,		13098,	13100,
7381, 7395, 7648,		7493, 7590, 7647,		13826,	13869,
9382, 9386, 9390,		7670, 7685, 8013,		14346,	14355,
9485, 9565,		8157, 8300, 8447,		14857,	14866,
9580, 12064,		8594, 8741, 8888,		15406,	15413,
12480, 12492,		9035, 9182, 9381,		15532,	15541,
12504, 13202,		9385, 9389, 9484,		17356,	17358,
13215, 13228,		9507, 9564, 9579,		17477,	17514,
13239, 13256,		9590, 9602, 9673,		17516,	17517,
13324, 13340,		10578, 12060,		17518,	17523,
13363, 13695,		12481, 12493,		17525,	17526,
13711, 13734,		12505, 12710,		17527,	17532,
13925, 13940,		13203, 13216,		17534,	17535,
14109, 14124,		13229, 13240,		17536,	17541,
14558, 14594,		13251, 13290,		17543, 17544, 17545	
15069, 15096,		13326, 13339,		\parskip 99,	
15127, 15744,		13362, 13421,		177, 229, 596,	
15775, 16295,		13438, 13544,		611, 859, 1110,	



1693, 2186, 3587,	\pgf@baseline ... 12890	\pgfutil@ifnextchar
4240, 4800, 4808,	\pgf@insertlayers 12912	..... 12875
4871, 5026, 5330,	\pgf@nodecallback 12868	\phantom 12538
5362, 5440, 5475,	\pgf@oldpicture .. 12875	\phantomsection .. 2276
5522, 5698, 5908,	\pgf@picmaxx .. 12869,	\phone 2236
6564, 6573, 6583,	12881, 12883, 12901	\phonesymbol
6728, 6737, 6747,	\pgf@picmaxy 12871, 12885	.. 2196, 6892, 6990
7725, 7728, 7730,	\pgf@picminx	\photo 2241
7732, 11498,	12870, 12884, 12894	\picbox 13040
11501, 11503,	\pgf@picminy 12872, 12886	\picinwindow 6423
12060, 12069,	\pgf@picture 12875	\picwd 12928,
12935, 13251,	\pgf@picture@serial@count	12931, 13039, 13041
13265, 13291,	..... 12866, 12867	\plainauthor .. 3890,
13545, 13907,	\pgf@process	4930, 4932,
14003, 15438,	12890, 12893, 12900	4971, 4972, 4975
16443, 16776,	\pgf@relevantforpicturesizefalse	\plainfootnotes .. 7861
17134, 17138, 17447	..... 12889	\plainpublisher ...
\part 23	\pgf@relevantforpicturesizetrue	.. 4933, 4998, 4999
\partname 556, 7412	..... 12873	\plaintitle .. 3891,
\partopsep 4821, 12181,	\pgf@remember@layerlist@globally	3892, 4930,
12183, 12785, 12805	..... 12907	4931, 4954, 4955,
\PassOptionsToClass	\pgf@resetpathsizes	4958, 5126, 5128
..... 5063,	..... 12874	\plitemsep 4819
5064, 5065, 5066,	\pgf@restore@layerlist@from@global	\plparsep 4818
5067, 5087, 5088,	..... 12911	\plpartopsep 4821
5089, 5090, 5091	\pgf@shift@baseline	\pLRE 1553, 1554, 1655, 1656
\PassOptionsToPackage	..... 12891	\pltopsep 4820
..... 4083, 4910	\pgf@trimleft ... 12893	\poem@finish
\pdfstringdefDisableCommand	\pgf@trimleft@final	.. 5371, 5420, 5427
..... 11448	12895, 12896, 12898	\poem@line
\penalty 744,	\pgf@trimright .. 12900	.. 5290, 5296, 5347
995, 1244, 2080,	\pgf@trimright@final	\poem@linebegin ...
2084, 5252, 5581,	12902, 12903, 12905	..... 5247, 5305
5647, 5757, 5823,	\pgf@x 12894,	\poem@lineend 5248, 5311
6035, 6138, 6144,	12898, 12901, 12905	\poem@lineparsebegin
6562, 6571, 6581,	\pgf@y 12891	.. 5259, 5316, 5343
6726, 6735, 6745,	\pgfpic 12921	\poem@lineparseend
9296, 9383, 9387,	\pgfpicture 12862	.. 5285, 5297, 5354
9391, 9487, 9585,	\pgfpictureid	\poem@lineversesep
10422, 13368,	..... 12867, 12878	..... 5249, 5308
13430, 13569,	\pgfpicturetrue . 12865	\poem@needrun . 5241,
13739, 13945,	\pgfsys@discardpath	5368, 5422, 5424
14129, 14567,	..... 12914	\poem@obeylines 5342,
14573, 14604,	\pgfsys@endpicture 12917	5418, 5458, 5482
15078, 15080,	\pgfsys@endscope . 12916	\poem@prop .. 5323, 5432
15105, 15107,	\pgfsys@markposition	\poem@startedfalse
15137, 15139,	..... 12878	.. 5340, 5456, 5462
15753, 15755,	\pgfsys@typesetpicturebox	\poem@startedtrue .
15785, 15787,	..... 12921	... 5298, 5299,
16764, 16872, 17139	\pgfutil@gobble . 12868	



5339, 5448, 5450, 5455, 5463, 5465	1612, 1655, 1656, 1657, 1658, 1858, 1864, 1870, 1876, 1885, 1891, 2622, 2623, 3434, 3851, 9937, 10323, 10337, 11673, 11678, 12004, 12260, 16149, 16150, 16154, 16162, 16410, 16754, 17305, 17843	9174, 9200, 9213, 9225, 9252, 9265, 9349, 9361, 9373, 9399, 9413, 9427, 9461, 9475, 10199, 10215, 10230, 10257, 10270, 10283
\poem@verse	\protected . . . 1655, 1657, 2565, 2566, 2567, 2570, 2578, 2580, 2586, 2772, 2788, 2804, 2827, 2829, 2879, 2907, 2920, 13064, 13073, 13082, 13090, 17322, 17331, 17340, 17348	\protected@write 3414, 3425
.. 5236, 5306, 5309	\protected@xdef 4510, 4539, 4568, 4951, 4968, 4984, 4995, 10169, 10178, 10322, 10327, 10336, 10342, 11222, 11260, 11293, 11324, 11355, 11418	\providecommand . . . 2193, 2194, 2195, 2196, 2197, 2198, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2364, 4411, 4418, 4419, 4825, 6876, 6881, 10055
\poem@width . . 5239, 5240, 5244, 5321, 5323, 5326, 5367	\protected@edef 42, 55, 70, 251, 264, 278, 4449, 4466, 4483, 7769, 7785, 7801, 7814, 7827, 7840, 7985, 7995, 8005, 8031, 8044, 8056, 8083, 8096, 8132, 8141, 8150, 8175, 8187, 8198, 8224, 8236, 8272, 8282, 8292, 8318, 8331, 8343, 8370, 8383, 8419, 8429, 8439, 8465, 8478, 8490, 8517, 8530, 8566, 8576, 8586, 8612, 8625, 8637, 8664, 8677, 8713, 8723, 8733, 8759, 8772, 8784, 8811, 8824, 8860, 8870, 8880, 8906, 8919, 8931, 8958, 8971, 9007, 9017, 9027, 9053, 9066, 9078, 9105, 9118, 9154, 9164,	\ProvidesClass 2115, 5062, 5086
\poem@write@aux		\ProvidesFile 1, 127, 161, 202, 328, 339, 344, 346, 405, 599, 847, 1098, 1357, 5510, 5686, 5862, 5895, 6107, 6162, 6196, 6198, 6201, 6239, 6282, 6297, 6393, 6431, 7004, 7169, 7172, 7211, 7373, 7545, 7718, 7751, 9557, 9732, 9761, 9773, 9842, 9872, 9881, 9886, 10021, 10351, 10528, 10581, 10699, 10721, 11022,
.. 5370, 5421, 5433		
\poemblocksep		
.. 5233, 5337, 5444		
\poemcolsepskip		
. 5224, 5253		
\poemextrabaselineskip		
.. 5226, 5314, 5349		
\poemmarginskip		
.. 5225, 5247, 5248		
\poemskip 5227, 5327, 5358		
\postbibhook 12273		
\postdisplaypenalty		
. 9848, 9862		
\postmath 6144		
\PotEndMark		
.. 7221, 7226, 7229		
\predisplaydirection		
. 13133, 13134, 17914, 17915		
\predisplaypenalty		
. 9847, 9861		
\premath 6140		
\preparefootins		
. 10534, 10554		
\prepnext@tok		
1398, 1408, 1456, 1488, 6210, 6238		
\presetkeys 17125		
\presig@skip 15504		
\prevdepth . . . 3752, 3760, 7088, 7142, 12186, 12540		
\pRLE 1555, 1556, 1657, 1658		
\process@cols . 12516, 12549, 12563, 12569		
\ProcessOptions 2148, 3545, 4636, 4895, 4927, 5068, 5092, 6815, 6913		
\ProcessOptionsX . 1604		
\protect . . 395, 1553, 1554, 1555, 1556,		



16037, 18018,	10980, 10982, 11620	982, 983, 984,
18022, 18028, 18032	\rangle 1767	988, 997, 1006,
\raggedright 25,	\rawtext 12935,	1023, 1024, 1029,
100, 181, 230,	12941, 12963,	1030, 1031, 1032,
552, 5865, 5885,	12964, 13045, 13049	1035, 1038, 1042,
6060, 6074, 7408,	\rbrace 17402, 17411	1067, 1068, 1069,
7421, 7670, 7685,	\rcb 1768, 1771, 1772, 1776	1074, 1075, 1076,
7721, 7724, 7729,	\rcol@footinsskip .	1077, 1110, 1117,
7737, 9590, 9602, 10533, 10553	1129, 1135, 1153,
11494, 11497,	\realfootnote 11415	1203, 1231, 1232,
11502, 12157,	\recomputelengths .	1233, 1237, 1246,
12158, 13180, 2254, 2271	1255, 1272, 1273,
13182, 13188,	\recomputethemelengths	1278, 1279, 1280,
14154, 14166, 2253,	1281, 1284, 1287,
14608, 14609,	2269, 6965, 6970	1291, 1316, 1317,
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4237, 4805, 13229	238, 291, 303,	3446, 3455, 3483,
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\raggedsection	434, 435, 440,	4438, 4515, 4526,
14608, 15144, 15792	441, 442, 443,	4544, 4555, 4573,
\raggedsectionentry	467, 468, 469,	4584, 4642, 4839,
. 14592	470, 471, 476,	4847, 4852, 4883,
\raise 9755	477, 478, 479,	5068, 5092, 5188,
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14079,	14103,	15889,	16045,	\remainx	12643
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14448,	14474,	16360,	16443,	\remainxxx	
14475,	14476,	16452,	16470,	..	12651, 12653,
14477,	14478,	16473,	16476,		12655, 12680, 12683
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14690,	14878,	16590,	16592,	\remove@strip .	12281,
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14899,	14959,	16630,	16633,		164, 171, 186, 220,
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2184, 2233, 2237,
2268, 2273, 2353,
2997, 3021, 3353,
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14331,	14335,	15898,	15971,	16374, 16399, 17416
14339,	14365,	15989,	16011,	\renewrobustcmd ...
14372,	14379,	16013,	16032,	12073, 12099, 12110
14392,	14394,	16035,	16290,	\repeat .. 6409, 6526,
14456,	14458,	16319,	16325,	6532, 6640, 6698,
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14579,	14610,	16383,	16394,	11587, 12953,
14611,	14612,	16450,	16497,	13000, 13011,
14615,	14616,	16516,	16538,	13022, 13050, 16186
14630,	14654,	16555,	16572,	\RequirePackage ...
14683,	14688,	16589,	16606,	... 1523, 1525,
14693,	14694,	16624,	16642,	1526, 1527, 1528,
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15263,	15266,	933, 960, 1099,		\RequireXeTeX . 1524, 1641
15339,	15357,	1177, 1184, 1209,		\reserved@a .. 1988,
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3239, 3242, 3245, 3281, 3282, 3283, 3285, 3292, 3295, 3320, 3321, 3341, 3343, 3347, 3354, 3356, 3435, 3436, 16872, 16873, 17500, 17506	9116, 9152, 9162, 9172, 9198, 9210, 9223, 9250, 9263, 9347, 9359, 9371, 9397, 9411, 9425, 9459, 9473, 9946, 10194, 10210, 10225, 10254, 10267, 10280, 17738, 17782, 17869	10510, 11603, 11604, 11617, 13188, 17438, 17449, 17455, 17461, 17469, 17473
\reserved@b	17738, 17782, 17869	\rightskip 12, 13, 213, 214, 307, 311, 508, 525, 528, 529, 618, 631, 642, 643, 648, 659, 684, 687, 688, 868, 869, 875, 885, 888, 889, 902, 924, 1117, 1123, 1124, 1129, 1140, 1166, 1169, 1170, 1188, 4755, 4762, 4763, 5333, 5529, 5535, 5536, 5541, 5552, 5575, 5578, 5579, 5705, 5711, 5712, 5717, 5728, 5751, 5754, 5755, 6014, 6029, 6032, 6033, 6166, 6168, 6170, 6284, 6285, 6291, 7380, 7383, 7384, 7394, 7647, 7941, 9506, 9564, 9579, 9582, 9583, 12063, 12153, 12154, 12480, 12484, 12485, 12492, 12497, 12504, 12509, 13199, 13201, 13212, 13214, 13225, 13227, 13236, 13238, 13255, 13298, 13311, 13322, 13323, 13328, 13339, 13362, 13365, 13366, 13693, 13694, 13699, 13710, 13733, 13736, 13737, 13747, 13760, 13808, 13924,
\reset@dir . 13117, 17375	\resizebox 10654	
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13939,	13942,	17576, 17637, 17642	\rotatebox ... 10017,
13943,	13948,	\RL ... 11452, 13107, 17365	10747, 10796,
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14123,	14126,	798, 1298, 1699,	14225, 14263, 14274
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14560,	14561,	9672, 9765, 9770,	\rotFPbot 14217,
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15068,	15071,	10638, 10704,	\rotFPtop 14215,
15072,	15095,	10705, 10718,	14226, 14262, 14275
15098,	15099,	10719, 11489,	\rrb 1770, 1780
15126,	15130,	12538, 13123,	\rsb 1769, 1778
15743,	15746,	13484, 13625,	\RTL 13100, 17358
15747,	15774,	13821, 13864,	\RTL@column@boxes .
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16299,	16310,	14458, 14905,	\RTL@outputdblcol .
16323,	16327,	14969, 15580,	... 6432, 9774,
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16355,	16359,	\RLE . 1555, 1657, 11451,	17651, 17696, 17697
16360,	16470,	13107, 13108,	\RTLbiditytesidenotemarginpar
16471,	16472,	13112, 17010,	... 4179, 4477, 4617
16480,	16501,	17365, 17366, 17370	\RTLcases .. 17414, 17417
16502,	16503,	\rmfamily 727,	\RTLcite 4406,
16511,	16524,	978, 1227, 4645,	4523, 4552, 4581,
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16534,	16541,	4708, 4712, 4715,	\RTLcolumnfootnotes
16542,	16543,	4719, 4722, 4726, 7862
16551,	16558,	4729, 13413, 13550	\RTLdblcol 17697
16559,	16560,	\romannumeral . 2071,	\RTLdfnmakecol ... 7166
16568,	16575,	5370, 5432, 7281,	\RTLfootnote ... 414,
16576,	16577,	7284, 7330, 9974,	488, 1857, 1870,
16585,	16592,	9975, 9976, 9977,	4592, 4942, 5920,
16593,	16594,	9979, 9980, 9981,	5994, 7554, 7628,
16602,	16609,	9982, 9983, 9986,	10168, 13559,
16610,	16611,	9987, 9988, 17441	13665, 13818,
16619,	16627,	\rot@float@box 14200,	13906, 14014,
16628,	16629,	14201, 14202,	14088, 14391,
16637,	16646,	14216, 14225,	14507, 14902,
16647,	16648,	14243, 14244,	15018, 15577, 15693
16656,	16666,	14245, 14246,	\RTLfootnotetext ..
16667,	16668,	14247, 14263, 14274	1926, 1937, 5382,
16676,	16701,	\rot@label . 14196, 14239	5392, 10337,
16702,	16703,	\rot@LR 14207, 14252	10340, 11251,
16711,	16751,	\rot@mess@toks 14199,	12041, 16235, 16239
16753,	16776,	14211, 14221,	\RTLfoottextfont ..
16838,	16839,	14230, 14242,	... 7782, 7789,
16840,	16846,	14257, 14269, 14279	7839, 7845, 7904,
16849,	16896,	\rot@message 14230, 14279	8003, 8024, 8054,
16956,	16961,	\rot@pageref 14197, 14240	8148, 8168, 8196,
16984,	16991,	\rotate 14293	8290, 8311, 8341,
17548,	17575,		8437, 8458, 8488,



8584, 8605, 8635, 8731, 8752, 8782, 8878, 8899, 8929, 9025, 9046, 9076, 9172, 9193, 9223, 9371, 9391, 9425 \RTLmarginnote . . . 4614 \RTLmarginpar 17743 \RTLMulticolcolumns 12586 \RTLsidenote . 4349, 4588 \RTLthanks . 414, 434, 469, 488, 4942, 4950, 4967, 4983, 4994, 5920, 5940, 5975, 5994, 7554, 7574, 7609, 7628, 10335, 12123, 13559, 13599, 13645, 13665, 13818, 13848, 13888, 13906, 14014, 14034, 14069, 14088, 14391, 14476, 14507, 14902, 14987, 15018, 15577, 15662, 15693 \rtside 12983, 12985, 12996, 12998, 13019, 13021 \rule . 45, 58, 73, 254, 267, 281, 2278, 6870, 7362, 7366, 7369, 7773, 7789, 7805, 7819, 7832, 7845, 10204, 10220, 10235, 10261, 10274, 10287	11556, 11558, 11560, 11569, 11644, 12021, 12190, 12205, 12237, 14709, 14723, 14763, 15276, 15290, 15330, 15908, 15922, 15962, 16309, 16326, 17904 \sc@temp 15444, 15445, 15450, 15451, 15456, 15457, 15462, 15463, 15468, 15469, 15474, 15475, 15480, 15481, 15486, 15487, 15492, 15493 \SC@FLOAT 16032, 18015, 18019, 18025, 18027, 18031, 18033 \SC@justify@caption . . 16035, 18017, 18021, 18026, 18028, 18032, 18034 \sc@temp 15442, 15444, 15448, 15450, 15454, 15456, 15460, 15462, 15466, 15468, 15472, 15474, 15478, 15480, 15484, 15486, 15490, 15492, 15502, 15504 \sc@wm@text 7171 \scalebox 10652 \scantokens . 2760, 2780 \scr@caption 14815, 14817, 14819, 15382, 15384, 15386, 16014, 16016, 16018 \scr@caption@before@longtable@warning 14787, 15354, 15986 \scr@compatibility . . 14565, 14603, 15076, 15103, 15135, 15147,	15163, 15171, 15179, 15751, 15783 \scr@LT@array . 11461, 14812, 14813, 14825, 15379, 15380, 15392, 16011, 16012, 16024 \scr@samed@footnotetext 14324, 14328, 14835, 14839, 15510, 15514 \scr@samed@LTRfootnotetext . . 14322, 14325, 14332, 14833, 14836, 14843, 15508, 15511, 15518 \scr@samed@RTLfootnotetext . . 14323, 14326, 14336, 14834, 14837, 14847, 15509, 15512, 15522 \scr@smashdp . . 14731, 14745, 14746, 14764, 15298, 15312, 15313, 15331, 15930, 15944, 15945, 15963 \scr@tmp@footnotetext . . 14703, 14714, 14715, 15270, 15281, 15282, 15902, 15913, 15914 \scr@tmp@LTRfootnotetext . . 14705, 14716, 14717, 15272, 15283, 15284, 15904, 15915, 15916 \scr@tmp@RTLfootnotetext . . 14707, 14718, 14719, 15274, 15285, 15286, 15906, 15917, 15918 \scriptsize . . 4783, 15442, 15449, 15455, 15461, 15467, 15473, 15479, 15485, 15491 \scshape 5868 \secshape . 13907, 13948
--	--	--

S



<code>\SectFont</code>	623, 632, 929, 937, 1180, 1189, 5589, 5776, 13303, 13312, 13752, 13761	3634, 3638, 3640, 4012, 4633, 4634, 4635, 4892, 4893, 4894, 4919, 4920	9320, 9322, 9351, 9363, 9375, 9393, 9401, 9407, 9415, 9421, 9429, 9463, 9470, 9477, 9492, 9499, 9518, 9526, 9539, 9546, 9751, 9777, 9780, 9793, 9809, 9812, 9826, 9873, 9913, 9918, 10252, 10265, 10278, 10296, 10420, 10429, 10433, 10457, 10471, 10531, 10536, 10551, 10556, 10584, 10591, 10592, 10637, 10638, 12000, 12009, 12049, 12081, 12087, 12278, 12289, 12294, 12304, 12322, 12327, 12360, 12371, 12376, 12386, 12404, 12409, 12437, 12518, 12534, 12927, 12941, 12944, 12963, 12964, 12970, 12971, 12982, 12984, 12986, 12988, 12991, 12993, 12995, 12997, 13007, 13009, 13018, 13020, 13035, 13037, 13045, 13047, 13056, 13122, 13123, 13153, 13171, 14285, 14295, 14306, 14313, 14729, 15296, 15443, 15449, 15455, 15461, 15467, 15473, 15479, 15485,
<code>\sectfont</code>	13182	<code>\setbox</code> . . .	382, 1404, 1406, 1407, 1463, 2020, 2091, 2096, 2099, 2108, 4058, 4114, 4117, 4158, 4161, 4202, 4205, 5261, 5272, 5485, 5499, 6122, 6149, 6154, 6213, 6242, 6397, 6398, 6402, 6405, 6415, 6419, 6422, 6426, 6434, 6437, 6447, 6459, 6470, 6473, 6486, 6502, 6522, 6523, 6528, 6529, 6534, 6537, 6560, 6568, 6578, 6629, 6643, 6647, 6657, 6662, 6671, 6673, 6688, 6689, 6700, 6701, 6713, 6714, 6724, 6732, 6742, 6790, 7014, 7022, 7023, 7027, 7035, 7043, 7044, 7048, 7063, 7066, 7071, 7075, 7083, 7120, 7123, 7128, 7132, 7137, 7810, 7823, 7836, 7896, 7953, 7958, 7965, 8026, 8038, 8051, 8091, 8170, 8181, 8193, 8231, 8313, 8325, 8338, 8378, 8460, 8472, 8485, 8525, 8607, 8619, 8632, 8672, 8754, 8766, 8779, 8819, 8901, 8913, 8926, 8966, 9048, 9060, 9073, 9113, 9195, 9207, 9220, 9260, 9284, 9285, 9292, 9305, 9308, 9310, 9315, 9318,
<code>\section</code>	565, 592, 608, 623, 629, 632, 699, 856, 929, 935, 937, 961, 1107, 1180, 1186, 1189, 1210, 2274, 2340, 4647, 4669, 4737, 4745, 4860, 4863, 4867, 5589, 5776, 7429, 13303, 13309, 13312, 13752, 13758, 13761		
<code>\sectionbib</code>	16394		
<code>\sectionfont</code> . .	2214, 2222, 6861, 6954		
<code>\sectionstyle</code>	2222, 2280		
<code>\sectiontitlecolour</code>			
...	2205, 6823, 6831, 6838, 6845, 6852, 6922, 6928, 6934, 6940, 6946		
<code>\selectfont</code> . . .	342, 5008, 5010, 5012		
<code>\separatorcolumnwidth</code>			
...	2245, 2246, 2257, 2263, 2279, 2284, 2290, 2347, 6968, 6998		
<code>\SepMark</code> . . .	17426, 17427		
<code>\set@color</code> . . .	6242, 6247, 6255, 6261, 6269, 6276, 6281, 10365, 17209, 17213, 17309		
<code>\set@typeset@protect</code>			
...	9941, 9945, 16121, 17612, 17849, 17851		
<code>\setboolean</code> . .	3523, 3524, 3525, 3527, 3529, 3534, 3535, 3539, 3540, 3620, 3624, 3627, 3632,		



15491, 15928,	\setdefaultmarginpar	10678, 10684,
16061, 16110,	..... 17833	10685, 10687,
16152, 16202,	\setDefaultts 10733	10688, 10737,
16272, 16914,	\setfloatalignment 3692	10738, 10750,
16917, 16922,	\setfootnoteLR ... 10190	10754, 10756,
16926, 16930,	\setfootnoteRL ... 10188	10758, 10762,
16934, 16938,	\setkeys . 6113, 6130,	10764, 11521,
16942, 16946,	7251, 7257, 7259,	11522, 11523,
16950, 17201,	10627, 10735,	11524, 11549,
17209, 17314,	11554, 12820,	11563, 11565,
17384, 17385,	14204, 14249, 17094	11567, 11571,
17502, 17572,	\setlength 174,	11593, 11598,
17600, 17653,	197, 198, 506,	11601, 11605,
17655, 17671,	523, 658, 682,	11606, 11607,
17674, 17722,	883, 901, 938,	12034, 13338,
17725, 17766,	939, 940, 941,	13360, 13709,
17769, 17797,	942, 1139, 1164,	13731, 13937,
17811, 17829, 17879	1844, 1845, 1846,	14106, 14121,
\setcaptionfont .. 3612	2118, 2119, 2121,	14341, 14550,
\setchapterpreamble	2122, 2124, 2125,	14553, 14585,
..... 15191, 15823	2127, 2128, 2130,	14588, 14726,
\setcitationfont . 4230	2131, 2133, 2134,	14752, 14852,
\setcounter ... 431,	2136, 2137, 2138,	15061, 15064,
466, 739, 771,	2143, 2144, 2182,	15088, 15091,
815, 990, 1022,	2183, 2185, 2186,	15118, 15121,
1066, 1239, 1271,	2187, 2188, 2246,	15293, 15319,
1315, 1706, 4314,	2255, 2256,	15527, 15736,
4333, 4352, 4384,	2259, 2261, 2264,	15739, 15766,
4631, 5143, 5428,	2265, 2267, 2270,	15769, 15925,
5642, 5674, 5818,	2336, 2345, 2346,	15951, 16298,
5850, 5937, 5972,	2347, 3548, 3584,	16299, 16347,
7476, 7509, 7571,	3585, 3586, 3587,	16348, 16350,
7606, 9656, 9689,	3608, 3614, 3615,	16718, 16722,
9961, 11515, 11516,	3648, 3651, 3655,	16723, 16725,
12151, 12780,	3701, 3747, 3748,	16726, 16728,
12801, 13425,	4237, 4238, 4239,	16729, 16731,
13457, 13501,	4240, 4246, 4497,	16732, 16734,
13564, 13596,	4790, 4791, 4792,	16735, 17484, 17487
13642, 13845,	4793, 4794, 4795,	\setLR 13129, 17393
13885, 14031,	4796, 4797, 4799,	\setLTR . 13103, 13104,
14066, 14382,	4800, 4802, 4805,	13117, 13129,
14473, 14647,	4806, 4807, 4808,	13130, 17036,
14720, 14721,	5025, 5026, 5551,	17361, 17362,
14893, 14984,	5573, 5727, 5749,	17375, 17393, 17394
15214, 15287,	6012, 6027, 6289,	\setLTRbibitems .. 17430
15288, 15568,	6957, 6961, 6963,	\setLTRcitationfont 4231
15659, 15846,	6966, 7233, 7378,	\setLTRmarginpar . 17832
15919, 15920, 16694	7393, 7892, 7893,	\setLTRparagraphfootnotes
\setdefaultbibitems	7906, 9563, 9577,	..... 7760
..... 17431	10294, 10677,	\setmarginnotefont 4229



<code>\setparsizes</code> .. 14399, 14511, 14910, 15022, 15585, 15697	7441, 7714, 9629, 12721, 13397, 13790, 13986, 14188, 14657, 15224, 15856, 16388	12720, 13258, 13272, 13396, 13789, 13982, 14184, 14656, 15223, 15855, 16384
<code>\setRL</code> 13128, 17392		
<code>\setRTL</code> 13102, 13105, 13117, 13128, 17076, 17110, 17360, 17363, 17375, 17392	<code>\sh@wgridXunit</code> ... 13142 <code>\sh@wgridYunit</code> ... 13142 <code>\shadowbox</code> 7347 <code>\shadowsize</code> 7357, 7361, 7362, 7365, 7366, 7369	<code>\slshape</code> ... 649, 876, 1130, 2302, 5542, 5718, 6859, 6860, 6950, 6951, 6953, 13329, 13700, 13913
<code>\setRTLbibitems</code> .. 17429		<code>\small</code> . 408, 632, 730, 937, 981, 1189, 1230, 1731, 2216, 2306, 2311, 2341, 4772, 4773, 4838, 4846, 4851, 4870, 5633, 5809, 5914, 7455, 7548, 9635, 13312, 13416, 13553, 13761, 13812, 14008, 14385, 14896, 15571
<code>\setRTLmain</code> 1647	<code>\shipout</code> ... 9941, 17848	
<code>\setRTLmarginpar</code> . 17831	<code>\shortauthors</code> 111, 112, 117	
<code>\setRTLparagraphfootnotes</code> 7759	<code>\shortcite</code> 12723	
<code>\setsidenotefont</code> . 4228	<code>\shorttitle</code> . 110, 111, 117	
<code>\setSingleSpace</code> 7864, 7869	<code>\showbox</code> 10494 <code>\showgridps</code> 13141	
<code>\setspace@singlespace</code> .. 4445, 4462, 4479	<code>\showoutput</code> 10494	
<code>\setthesection</code> ... 12168	<code>\sidecaptionsep</code> 16033, 16034, 18016, 18020, 18025, 18027, 18031, 18033	<code>\smallcaps</code> 5126, 5127, 5128
<code>\settoheight</code> 7230	<code>\sidecontents</code> 9540	<code>\smallskip</code> 12643, 12648, 12655, 12664, 12675, 12680, 12685, 12692, 12699, 12706, 13179
<code>\settowidth</code> 85, 294, 569, 703, 965, 1214, 2250, 5597, 5784, 6092, 6959, 7275, 7433, 7703, 9621, 11595, 13389, 13782, 13975, 14177, 14640, 15207, 15442, 15448, 15454, 15460, 15466, 15472, 15478, 15484, 15490, 15839, 16377, 16879, 16881	<code>\sidenote</code> 4311, 4365, 4403, 4495, 4586 <code>\sidenotes</code> 4408 <code>\sideways</code> 14311 <code>\sigindent</code> 15503 <code>\sixcolumnfootnotes</code> 8548 <code>\sixcolumnfootstyle</code> 8643 <code>\sist@n</code> 1987, 2009 <code>\size@chapter</code> 13182	<code>\smash</code> 3803, 3808, 3819, 3820, 3823, 3824, 4031, 7017, 7038, 10358, 11620, 13126, 17388, 17390
<code>\Setversedim</code> 5156, 5160, 5186	<code>\skip</code> 5349, 5350, 7068, 7125, 7917, 7927, 7944, 9508, 9531, 10312, 10533, 10553	<code>\SOUL@apo</code> 16055 <code>\SOUL@comma</code> 16054 <code>\SOUL@do</code> 16057 <code>\SOUL@eventuallyexhyphen</code> 16044 <code>\SOUL@grave</code> 16056 <code>\SOUL@ignorespacesfalse</code> 16048 <code>\SOUL@lasttoken</code> .. 16051 <code>\SOUL@lowerthan</code> .. 16041 <code>\SOUL@minus</code> 16053 <code>\SOUL@postamble</code> . 16058 <code>\SOUL@preamble</code> .. 16050
<code>\SetWatermarkText</code> 7170	<code>\skip@</code> 313, 314 <code>\skipalgocfslide</code> 182, 190 <code>\skiptotal</code> 198	
<code>\sevendcolumnfootnotes</code> 8695	<code>\sloppy</code> ... 41, 54, 69, 88, 250, 263, 277, 297, 576, 710, 972, 1221, 2354, 5604, 5791, 6099, 7440, 7710, 9628, 10526, 12066,	
<code>\sevendcolumnfootstyle</code> 8790		
<code>\sf</code> 15443, 15449, 15455, 15461, 15467, 15473, 15479, 15485, 15491		
<code>\sfcode</code> . 89, 298, 580, 711, 973, 1222, 5605, 5792, 6103,		



\SOUL@soeventuallyskip 16045	\SplitFootnoteRule 1581, 10146	3195, 3204, 3208, 3214, 3225, 3382,
\SOUL@spaceskip .. 16046	\splitfootnoterule 10150, 10158	3384, 3395, 3397, 3398, 3399, 3400,
\SOUL@start 16039	\splitmaxdepth 39, 52, 67, 248, 261, 275, 7911, 9778, 9810, 10197, 10213, 10228	3402, 4006, 4007, 6251, 6254, 6272, 6275, 10398, 10399, 10400, 10401, 10402, 10524, 10659, 10660, 14450, 14662, 14664, 14670, 14961, 15229, 15231, 15237, 15636, 15861, 15863, 15869, 16248, 16997, 17254, 17301
\SOUL@ulcolor . 16070, 16076, 16082, 16090	\splittopskip ... 39, 52, 67, 248, 261, 275, 7910, 7955, 7959, 8108, 8109, 8112, 8113, 8248, 8249, 8252, 8253, 8395, 8396, 8399, 8400, 8542, 8543, 8546, 8547, 8689, 8690, 8693, 8694, 8836, 8837, 8840, 8841, 8983, 8984, 8987, 8988, 9130, 9131, 9134, 9135, 9277, 9278, 9281, 9282, 10196, 10212, 10227, 10425, 10426, 12937	\strip@prefix 2797, 2810 \strip@pt ... 9343, 9454 \stripsep 6460, 6503, 6517, 6563, 6572, 6582, 6627, 6727, 6736, 6746, 12298, 12300, 12307, 12380, 12382, 12389, 12448, 12451, 12453, 12460
\SOUL@uloverlap . 16063	\stepcounter 4322, 4341, 4360, 4392, 4509, 4538, 4567, 5319, 9960, 10028, 10098, 10168, 10177, 11175, 11417, 11967, 12775, 12779, 12796, 12800, 14195, 14238, 17899	\strut 45, 58, 73, 254, 267, 281, 1761, 7741, 8018, 8021, 8024, 8104, 8105, 8162, 8165, 8168, 8244, 8245, 8305, 8308, 8311, 8391, 8392, 8452, 8455, 8458, 8538, 8539, 8599, 8602, 8605, 8685, 8686, 8746, 8749, 8752, 8832, 8833, 8893, 8896, 8899, 8979, 8980, 9040, 9043, 9046, 9126, 9127, 9187, 9190, 9193, 9273, 9274, 9383, 9387, 9391, 9486, 12080, 14710, 14712, 14731,
\SOUL@ulunderline 16060	\stopbreaks 7733, 15502	
\SOUL@word 16052	\stretch 1465, 1468, 6215, 6218	
\soulomit 16043	\string ... 354, 1375, 2365, 2371, 2443, 2445, 2463, 2464, 2467, 2468, 2558, 2591, 2592, 2598, 2746, 2776, 2797, 2800, 2827, 2829, 2889, 2950, 2951, 2964, 2965, 2976, 2977, 2990, 2991,	
\space 1495, 2746, 2889, 3195, 3382, 3384, 3395, 3397, 3400, 3867, 3872, 3873, 4006, 4007, 5868, 6063, 6525, 6531, 6694, 6702, 6703, 7673, 9592, 10394, 10402, 10403, 10427, 10435, 11533, 12524, 12526, 12527, 12528, 12529, 13149, 14156, 14198, 14241, 14450, 14662, 14961, 15229, 15636, 15861, 16222, 16224, 16281, 16998, 17802		
\spacefactor 4424, 4429, 4435, 4438, 11174, 11186		
\spaceskip 16088, 16093		
\special 1695, 13123, 16278, 16279, 16283, 16284, 16286, 17385		
\spinemargin . 7180, 7184		
\split@prev 10147, 10155, 10160		
\splitbotmark 10431		
\splitfirstmark 9783, 9815, 10430		



17675, 17883, 17893	7552, 7572, 7607,	10401,	10402,
\textwidth@footnoterule	7626, 9639, 9657,	10403,	10411,
..... 411, 733,	9690, 9707, 12121,	10417,	10424,
984, 1233, 5636,	13420, 13432,	10425,	10427,
5812, 5917, 7458,	13458, 13469,	10432,	10434,
7551, 9638, 10117,	13470, 13479,	10435,	10449,
10128, 12638,	13502, 13519,	10475,	10505,
13419, 13556,	13557, 13571,	10506,	10507,
13815, 14011,	13597, 13610,	10512,	10513,
14388, 14899, 15574	13611, 13620,	10514,	10524,
\textwidthfootnoterule	13643, 13663,	10629,	10674,
1583, 7008, 7755,	13816, 13846,	11174,	11204,
10126, 10575, 17924	13886, 13904,	11212,	11213,
\TeXXeTOff . 13053, 17312	14012, 14032,	11219,	11221,
\TeXXeTOn 13052,	14067, 14086,	11250,	11251,
13054, 17311, 17313	14389, 14474,	11257,	11259,
\TeXXeTstate .. 13052,	14505, 14900,	11290,	11292,
13053, 17311, 17312	14985, 15016,	11321,	11323,
\TF@conlab	15575, 15660, 15691	11352,	11354,
10354, 10356, 10363	\thankses 325	11609,	11610,
\TF@savecolor	\the ... 120, 121, 1363,	11613,	11617,
..... 10360, 10365	1457, 1458, 1460,	11621,	12038,
\TF@Title 10363	1461, 1521, 1638,	12041,	12282,
\thanklessauthor ..	1671, 1673, 1676,	12299,	12306,
..... 4935,	1678, 1917, 1920,	12312,	12364,
4968, 4971, 5008	1923, 1926, 1931,	12381,	12388,
\thanklesspublisher	1934, 1937, 2042,	12394,	12461,
..... 4936,	2378, 2380, 2381,	12524,	12526,
4995, 4998, 5012	2402, 2404, 2405,	12527,	12528,
\thanklesstitle 4934,	2761, 3448, 3455,	12529,	12530,
4951, 4954, 5010	3484, 4279, 4289,	12714,	12819,
\thanks 325, 412,	4424, 4435, 5238,	12835,	12839,
432, 467, 486,	5245, 5376, 5379,	12842,	12867,
734, 746, 772,	5382, 5386, 5389,	12891,	12898,
783, 784, 793,	5392, 5497, 6109,	12905,	13059,
816, 833, 985,	6114, 6158, 6211,	13060,	14211,
997, 1023, 1034,	6525, 6531, 6532,	14221,	14230,
1035, 1044, 1067,	6533, 6665, 6675,	14257,	14269,
1084, 1234, 1246,	6694, 6702, 6703,	14279,	14647,
1272, 1283, 1284,	6704, 6707, 6709,	15214,	15846,
1293, 1316, 1334,	6710, 6711, 9782,	16141,	16142,
1707, 4934, 4935,	9784, 9814, 9816,	16172,	16191,
4936, 4937, 4940,	10026, 10041,	16193,	16217,
4947, 4948, 4964,	10042, 10045,	16222,	16224,
4965, 4980, 4981,	10046, 10049,	16225,	16228,
4992, 5637, 5649,	10102, 10106,	16229,	16232,
5675, 5813, 5825,	10160, 10323,	16235,	16236,
5851, 5918, 5938,	10337, 10387,	16239,	16327,
5973, 5992, 7459,	10394, 10398,	16780,	16783,
7477, 7510, 7527,	10399, 10400,	16784,	16786,



16788,	16792,	.... 4701, 4708,	\theindex 94, 224
16797,	16801,	4715, 4722, 4729	\theL@lines
16812,	16813,	\thedate 4930, 4938, 4984	. 11562, 11567, 11574
16816,	16822,	\theDefaultDepth . 11516	\thelstlisting 11673,
16826,	16834,	\theDefaultLines . 11515	11678, 11690, 11693
16835,	16872,	\theenumiv 83,	\thempfn
16888,	16892,	85, 292, 294, 575,	1943, 1951, 1959,
16991,	17154,	709, 971, 1220,	4510, 4516, 4539,
17166,	17171,	2353, 5603, 5790,	4545, 4568, 4574,
17192,	17193,	6098, 7439, 7709,	5397, 5404, 5411,
17195,	17317,	9627, 13395,	10169, 10174,
17318, 17441, 17488		13788, 13981,	10178, 10183,
\the@cornersize ...		14183, 14654,	10301, 10327,
..... 9743, 9744		15221, 15853, 16383	10332, 10342,
\thealgocf 164		\theequation	10347, 11054,
\theAlgoLine 17964		... 5625, 5801,	11065, 11076,
\thechapter 310, 4643,		6046, 7656, 9726,	11223, 11261,
5620, 5626, 5628,		9991, 10004,	11294, 11325,
5630, 5796, 5802,		11490, 12169,	11356, 11418, 12112
5804, 5806, 5868,		13406, 13775,	\thempfootnote
6047, 6049, 6051,		13959, 14140,	..... 10301, 12112
6052, 6053, 6063,		15178, 15814, 17917	\theorem@indent ...
7657, 7659, 7661,		\thefigure ... 5627,	..... 12789,
7662, 7663, 7673,		5803, 6048, 7658,	12790, 12809, 12810
9592, 9721, 9727,		9728, 9993,	\theorem@prework . 12783
9729, 9731, 9992,		10006, 12171,	\theorem@postskipamount
9994, 9996, 9997,		13408, 13771,	..... 12784, 12804
9998, 10005,		13961, 14142,	\theorem@preskipamount
10007, 10009,		15162, 15806, 16127	..... 12787, 12807
10010, 10011,		\thefootdir@label .	\thepage . 1669, 1674,
11691, 12159,		.. 10026, 10029,	2331, 3778, 3890,
12168, 12170,		10058, 10063,	3891, 3892, 3901,
12171, 12172,		10081, 10084, 10104	3902, 5114, 5115,
12755, 13185,		\thefootnote ... 448,	5126, 5127, 5128,
13401, 13407,		738, 797, 989,	6591, 6609, 6756,
13409, 13411,		1048, 1238, 1297,	6774, 17198, 17802
13766, 13772,		1698, 5641, 5817,	\theparagraph ... 21,
13774, 13776,		5954, 7491, 7588,	22, 222, 223,
13960, 13962,		9671, 11087,	543, 544, 696,
13964, 13965,		13424, 13483,	697, 949, 950,
14141, 14143,		13563, 13624,	1207, 1208, 4664,
14145, 14146,		13819, 13862,	5623, 5624, 5799,
14147, 14156,		14048, 14392,	5800, 6056,
15148, 15150,		14456, 14903,	6057, 7543, 7544,
15164, 15166,		14967, 15578, 15642	7666, 7667, 9724,
15172, 15174,		\thefootnotemark ..	9725, 10001,
15180, 15182,		..... 14364,	10002, 10014,
15795, 15807,		14875, 15421, 15550	10015, 12164,
15811, 15815, 16410		\theHchapter 12755	12167, 13404,
\thecontentspage ..		\theHsection 12763, 12765	13405, 13769,



13770, 13968, 13969, 14150, 14151, 14615, 14617, 15158, 15160, 15802, 15804	14149, 14611, 14613, 15154, 15156, 15798, 15800	12804, 12805, 12808
\thepart	\thesubsubsection 20, 21, 221, 222, 542, 543, 695, 696, 948, 949, 1206, 1207, 5622, 5623, 5798, 5799, 6055, 6056, 7542, 7543, 7665, 7666, 9723, 9724, 10000, 10001, 10013, 10014, 12162, 12165, 13403, 13404, 13768, 13769, 13967, 13968, 14149, 14150, 14612, 14615, 15155, 15158, 15799, 15802	\thr@@ 351, 367, 1372, 1390, 1414, 1423, 8249, 8253, 16046, 16245, 16265
\ther@tfl@t . . 14196, 14197, 14239, 14240		\threecolumnfootnotes 8114
\thesection . 19, 220, 541, 694, 947, 1205, 4650, 5620, 5621, 5796, 5797, 6053, 6054, 7541, 7663, 7664, 9721, 9722, 9998, 9999, 10011, 10012, 12159, 12161, 12763, 12765, 13401, 13402, 13766, 13767, 13965, 13966, 14147, 14148, 14611, 15146, 15154, 15794, 15798	\thetable 2077, 5629, 5805, 6050, 7660, 9730, 9995, 10008, 12172, 13410, 13773, 13963, 14144, 15170, 15810, 16128	\threecolumnfootstyle 8203
\thesubparagraph 22, 223, 544, 697, 950, 1208, 5624, 5800, 6057, 7544, 7667, 9725, 10002, 10015, 12166, 13405, 13770, 13969, 14151, 14616, 15159, 15803	\thinlines 6301, 6311, 6324, 6334, 6347, 6357, 6370, 6380	\tiny . . . 1744, 4415, 4784
\thesubsection . . 19, 20, 220, 221, 541, 542, 694, 695, 947, 948, 1205, 1206, 4657, 5621, 5622, 5797, 5798, 6054, 6055, 7541, 7542, 7664, 7665, 9722, 9723, 9999, 10000, 10012, 10013, 12160, 12163, 13402, 13403, 13767, 13768, 13966, 13967, 14148,	\thispagestyle 97, 109, 227, 464, 595, 610, 813, 858, 1064, 1109, 1313, 5015, 5037, 5058, 5521, 5697, 5907, 5970, 7507, 7604, 7720, 7723, 9687, 11493, 11496, 12149, 13290, 13499, 13544, 13640, 13883, 14002, 14064, 14397, 14470, 14908, 14981, 15583, 15656, 16442	\title . 322, 440, 476, 778, 823, 1029, 1074, 1278, 1323, 1714, 2233, 2272, 4929, 4944, 5681, 5857, 5946, 5982, 7483, 7517, 7580, 7616, 9663, 9697, 13464, 13509, 13605, 13652, 13854, 13895, 14040, 14076, 14492, 15003, 15678
	\thm@topsepadd 12784, 12785, 12788,	\TitleBarFrame 10352, 10371, 10373, 10375, 10377
		\titlecolour . 2202, 6917
		\titlecontents 4696, 4703, 4710, 4717, 4724
		\TitleFont . 727, 743, 834, 836, 842, 978, 994, 1085, 1087, 1093, 1227, 1243, 1335, 1337, 1343, 1346, 1347, 1352, 5646, 5822, 13413, 13429, 13520, 13522, 13528, 13550, 13568, 13666, 13668, 13674, 13677, 13678, 13683
		\titlefont 2211, 2219, 6950, 14411, 14524, 14922, 15035, 15597, 15710
		\titleformat . . 4640, 4647, 4654, 4661



\titlehead	\tocstyle@feature@spaceafternumber	816, 10626,
14494, 15005, 15680	16878,	10629, 10663,
\titlepage 621,	16882, 16903, 16907	10665, 10669,
927, 1178, 5587,	\tocstyle@indentstyle	10671, 10674,
5774, 13301, 13750	16828, 16898	11201, 11204,
\titlepagestyle . . .	\tocstyle@l@define	16191, 16211, 16217
14470, 14981, 15656	16915, 16918,	\tolerance
\titlespacing	16923, 16927,	8014, 8158, 8301,
.. 4668, 4669, 4670	16931, 16935,	8448, 8595, 8742,
\titlestyle . 2219, 6981	16939, 16943,	8889, 9036, 9183
\toaddress . 7729, 11502	16947, 16951, 16983	\toname 7729, 11502
\toc@headstar	\tocstyle@macrochangewarning	\topheight
16432, 16437	16971, 16978	12946, 12948,
\toc@l@number . 14552,	\tocstyle@numberline	12949, 12950,
14553, 14587,	16757, 16876	12952, 12958,
14588, 15063,	\tocstyle@samed@dottdocline	12960, 12962,
15064, 15090,	16973	12963, 12964,
15091, 15120,	\tocstyle@samed@numberline	13027, 13028,
15121, 15738,	16981	13029, 13030,
15739, 15768, 15769	\tocstyle@depth 16768,	13034, 13035, 13039
\toclevel@subfigure	16780, 16792,	\topmargin 1684, 2156,
16644	16812, 16813,	7202, 9953, 17877
\toclevel@subtable 16664	16816, 16834,	\topmark 9781,
\tocstyle@numberline	16835, 16884,	9790, 9813, 9822
16879,	16886, 16888, 16892	\topsep . . 1826, 1835,
16881, 16899,	\tocstyle@TOC	2345, 3577, 4778,
16901, 16904, 16906	16780, 16783,	4820, 12181, 12183
\tocstyle@activate@all@l	16784, 16786,	\topskip 303,
16992	16788, 16792,	1692, 6651, 6654,
\tocstyle@activate@features	16793, 16795,	10436, 10438,
16769	16796, 16800,	10443, 12187,
\tocstyle@dottedtocline	16804, 16805,	12441, 16408,
16756	16808, 16809,	16414, 16419,
\tocstyle@feature@dothook	16812, 16813,	16426, 16431, 16436
16855	16816, 16818,	\TOTALHEIGHT 16277, 16281
\tocstyle@feature@entryhook	16820, 16821,	\totalheight 10656
16851	16825, 16830,	\traditionalconnverses
\tocstyle@feature@entryvskip	16831, 16834,	5176, 5199, 5215
16770, 16773	16835, 16884,	\traditionalhalfverses
\tocstyle@feature@leaders	16886, 16887, 16891	5165,
16853, 16858	\today 4938	5169, 5176, 5209
\tocstyle@feature@pagenumberbox	\toks 118,	\traditionalpoem . 5418
16861, 16864	120, 1457, 1458,	\traditionalpoem@cr
\tocstyle@feature@pagenumberhook	1460, 1461, 4272,	5289, 5338, 5339
16862, 16864	4273, 4279, 6211,	\traditionalpoem@obeylines
\tocstyle@feature@parfillskip	10430, 10431, 10432	5219, 5418
16841, 16842	117, 121,	\traditionalpoem@par
\tocstyle@feature@raggedhook	3480, 3484, 9781,	5219, 5220, 5338
16777	9782, 9783, 9784,	\trimb 4274, 4281
	9813, 9814, 9815,	\trimc 4283



\trivlist	10601, 10603,	\TX@find@endtabularxa
. 9864, 12786, 12806	10604, 10638,	..... 16168, 16169
\ttdefault .. 6856, 6948	10640, 10641,	\TX@find@endtabularxb
\ttfamily	10643, 10644,	..... 16198
1731, 1771, 1772,	10647, 10649,	\TX@find@endtabularxbb
1774, 1775, 1776,	10650, 11611,	..... 16196
1777, 1778, 1779, 1780	12534, 12541,	\TX@ftn . 16193, 16228,
\ttl@a 16332, 16334	12542, 12550,	16230, 16232,
\ttl@b 16327,	12551, 12556,	16235, 16237, 16239
16328, 16332, 16334	12557, 12570,	\TX@ftntext 16187
\ttl@beginlongest 16302	12571, 12578,	\TX@LTRftntext
\ttl@calc . 16297, 16309	12579, 12595,	..... 16188, 16227
\ttl@changecentercr	12600, 13123,	\TX@newcol 16170
..... 16301	13124, 14355,	\TX@old@table 16175
\ttl@contentsstretch	14866, 15413,	\TX@RTLftntext
..... 16339	15541, 16046,	..... 16189, 16234
\ttl@corr	16146, 16244,	\TX@target . 16176, 16190
16354, 16355, 16358	16252, 16556,	\TX@trial
\ttl@endlongest .. 16317	17385, 17386,	. 16180, 16185, 16201
\ttl@filleft 16291, 16320	17620, 17624, 17626	\TX@trial@ftn
\ttl@filright	\twocolumn 457,	16204, 16205, 16206
..... 16292, 16321	592, 608, 806,	\TX@typeout@ 16178, 16220
\ttl@glcmds 16304	856, 1057, 1107,	\TX@verb
\ttl@hmode@error 16303	1306, 1668, 5519,	..... 16171
\ttl@leaders 16356	5695, 5904, 5963,	\TX@vwarn
\ttl@lselect 16363, 16366	6590, 6755, 7500,	..... 16207
\ttl@makeline	7597, 9680,	\TX@xftntext 16187
..... 16297, 16352	12140, 13288,	\TX@xLTRftntext ...
\ttl@margin 16351, 16357	13492, 13542,	..... 16188, 16231
\ttl@midlongest .. 16316	13633, 13876,	\TX@xRTLftntext ...
\ttl@outnoblock . 16330	13999, 14057,	..... 16189, 16238
\ttl@savel@chapter 16365	14463, 14974,	\typeout 1520,
\ttl@savel@part . 16362	15649, 16408,	1522, 3774, 3776,
\ttl@hang	16414, 16419,	3777, 3778, 3780,
\turn	16426, 16431, 16436	3782, 3783, 3784,
\turnbox	\twocolumnfootnotes	10036, 13163,
14283	..... 7967	16780, 16792,
\tw@	\twocolumnfootstyle	16812, 16813,
350,	..... 8062	16816, 16834, 16835
358, 1371, 1379,	\TX@	U
1413, 1417, 1422,	..... 16168,	\uc@authornothanks
1999, 2592, 8109,	16169, 16197, 16198	..... 755,
8113, 9748, 9749,	\TX@align .. 16221, 16223	784, 789, 1006,
10429, 10433,	\TX@arith	1035, 1040, 1255,
10434, 10448,	..... 16183	1284, 1289, 5658,
10452, 10457,	\TX@ckpt ... 16173, 16219	5834, 13441,
10460, 10471,	\TX@col@width . 16170,	13470, 13475,
10475, 10476,	16176, 16181, 16224	13580, 13611, 13616
10477, 10478,	\TX@cols	\uc@ax
10481, 10592,	. 16177, 16181, 16225	..... 785,
10594, 10595,	\TX@endtabularx 1190,	786, 1036, 1037,
10597, 10598,	11201, 11207, 16166	



1285, 1286, 13471, 13472, 13612, 13613	5538, 5612, 5618, 5711, 5712, 5714, 5765, 5771, 13311, 13322, 13323, 13325, 13376, 13382, 13693, 13694, 13696, 13760, 13797, 13803	2108, 6155, 6156, 6402, 6405, 6422, 6426, 6461, 6504, 6561, 6569, 6570, 6579, 6657, 6659, 6663, 6666, 6672, 6676, 6725, 6733, 6734, 6743, 6791, 7022, 7025, 7026, 7043, 7046, 7047, 7072, 7079, 7084, 7089, 7129, 7134, 7138, 7143, 7811, 7824, 7837, 7898, 7930, 7936, 7966, 8027, 8039, 8052, 8092, 8171, 8182, 8194, 8232, 8314, 8326, 8339, 8379, 8461, 8473, 8486, 8526, 8608, 8620, 8633, 8673, 8755, 8767, 8780, 8820, 8902, 8914, 8927, 8967, 9049, 9061, 9074, 9114, 9196, 9208, 9221, 9261, 9284, 9395, 9409, 9423, 9471, 9490, 9497, 9521, 9529, 9535, 9541, 10253, 10266, 10279, 10315, 10320, 10423, 10433, 10460, 12087, 12105, 12295, 12297, 12305, 12323, 12325, 12377, 12379, 12387, 12405, 12407, 12459, 12984, 12988, 12993, 12997, 13009, 13020, 13040, 13043, 13048, 17495
\uc@nothanks . . . 746, 783, 784, 793, 997, 1034, 1035, 1044, 1246, 1283, 1284, 1293, 5649, 5825, 13432, 13469, 13470, 13479, 13571, 13610, 13611, 13620	\unitlength 6301, 6311, 6324, 6334, 6347, 6357, 6370, 6380	\unvcopy 6629, 7066, 7123
\uc@tx 783, 791, 1034, 1042, 1283, 1291, 13469, 13477, 13610, 13618	\unkern 4436	\uppercase . 310, 763, 783, 1014, 1034, 1263, 1283, 5666,
\uc@ty 792, 793, 1043, 1044, 1292, 1293, 13478, 13479, 13619, 13620	\unpenalty 6144, 6634, 6646, 6657, 6663, 9289, 9307, 9317, 10460	
\undefined 3286, 5371, 5424, 5427, 5429, 14715, 14717, 14719, 15282, 15284, 15286, 15914, 15916, 15918	\unrestored@protected@xdef 1943, 1951, 1959, 4516, 4545, 4574, 5397, 5404, 5411, 10174, 10183, 10332, 10347, 11054, 11065, 11076, 11087	
\underline . 17577, 17585	\unsetfootnoteRL 10189, 10190	
\undertext 17585	\unsetLTR . . 13105, 17363	
\unexpanded 2619, 2628, 2629, 2636, 2637, 2650, 2651, 2658, 2659, 2760, 2881	\unsetRL . . . 13130, 17394	
\unhbox 1487, 5244, 5509, 6237, 9286, 9310, 9320, 9323, 9492, 9494, 9499, 9501, 17495, 17630, 17631, 17632, 17633	\unsetRTL . . 13104, 17362	
\unhcopy 16066, 16078, 16156	\unskip 45, 58, 73, 254, 267, 281, 338, 1439, 1440, 1441, 3828, 3831, 3834, 3837, 4524, 4553, 4582, 5271, 5282, 6141, 6634, 6646, 6657, 6659, 6663, 6667, 7925, 9287, 9288, 10310, 12081, 12084, 14288, 14298, 14316, 14712, 14733, 14738, 14747, 15279, 15300, 15305, 15314, 15911, 15932, 15937, 15946, 17510, 17834	
\unitindent . . . 631, 642, 643, 645, 718, 724, 868, 869, 871, 937, 938, 940, 941, 953, 958, 1051, 1123, 1124, 1126, 1188, 1197, 1203, 5535, 5536,	\unvbox 2066, 2091, 2096, 2105,	



5842, 13449,	11620, 11622,	15269, 15901, 16172
13469, 13588, 13610	13055, 13056, 17314	\varcustomer .. 15433,
\uppercasenonmath . 110	\usecounter 87, 296,	15459, 15460, 15463
\uppermargin 7186	573, 707, 969,	\varinvoice .. 15434,
\uppertitleback ...	1218, 2351, 4816,	15465, 15466, 15469
14497, 15008, 15683	5601, 5788, 6096,	\varmyref 15432,
\upshape	7437, 7707, 9625,	15453, 15454, 15457
4701, 4708, 4715,	13393, 13786,	\varrefitemi .. 15435,
4722, 4729, 6857,	13979, 14181,	15471, 15472, 15475
6861, 6862, 6949,	14646, 14651,	\varrefitemii . 15436,
6954, 6955, 13180	15213, 15218,	15477, 15478, 15481
\url@ 11426	15845, 15850, 16381	\varrefitemiii 15437,
\urlstyle 2175	\usekomafont .. 14369,	15483, 15484, 15487
\usebox 1811,	14376, 14413,	\varrefitemnamei . 15473
1821, 3675, 3801,	14526, 14562,	\varrefitemnameii 15479
3803, 3808, 3810,	14563, 14598,	\varrefitemnameiii 15485
3819, 3820, 3823,	14599, 14880,	\varyourmail .. 15431,
3824, 4031, 7292,	14887, 14924,	15447, 15448, 15451
7295, 7303, 7310,	15037, 15073,	\varyourref .. 15430,
7318, 7325, 7368,	15074, 15100,	15441, 15442, 15445
10744, 10748,	15101, 15131,	\vbadness 7955,
10831, 10833,	15132, 15555,	7959, 9779,
10837, 10839,	15562, 15599,	9811, 9912, 12936
10844, 10846,	15712, 15748,	\vbox 175, 308,
10850, 10852,	15749, 15779, 15780	393, 399, 1407,
10856, 10858,	\usepackage	1474, 2023, 2091,
10862, 10864,	... 3204, 3205,	2096, 2099, 2104,
10870, 10871,	3210, 3211, 3214,	2105, 2108, 4058,
10874, 10875,	3217, 3262, 3263	4059, 4061, 5231,
10879, 10880,	V	6149, 6154, 6224,
10883, 10884,	\v@aaa ... 6522, 6524,	6402, 6405, 6422,
10887, 10888,	6525, 6526, 6528,	6426, 6437, 6447,
10891, 10892,	6530, 6531, 6532,	6459, 6473, 6486,
10906, 10907,	6533, 6688, 6690,	6502, 6523, 6529,
10909, 10910,	6692, 6694, 6695,	6534, 6537, 6543,
10922, 10923,	6700, 6701, 6703,	6546, 6551, 6556,
10925, 10926,	6706, 6707, 6710	6560, 6568, 6578,
10932, 10933,	\v@ccc 6523, 6529, 6531,	6629, 6657, 6659,
10936, 10937,	6532, 6533, 6534,	6662, 6671, 6689,
10941, 10942,	6543, 6551, 6689,	6701, 6713, 6714,
10945, 10946,	6701, 6702, 6706,	6716, 6720, 6724,
10949, 10950,	6709, 6713, 6716	6732, 6742, 6790,
10953, 10954,	\vadjust 5247, 5248, 5255	6796, 7014, 7022,
10961, 10963,	\valign 7956, 7960	7023, 7031, 7035,
10967, 10969,	\value 4317, 4336, 4355,	7043, 7044, 7052,
10974, 10976,	4387, 10026,	7066, 7071, 7075,
10980, 10982,	10041, 10042,	7078, 7082, 7083,
10986, 10988,	10045, 10046,	7100, 7107, 7123,
10992, 10994,	10049, 14702,	7128, 7132, 7133,
11007, 11009,		7136, 7137, 7152,



7159, 7810, 7823,	16942, 16946,	14949, 15591,
7836, 7896, 8026,	16950, 17340,	15613, 15618, 15624
8038, 8051, 8091,	17347, 17348,	\vfuze . 4285, 4288, 4289
8170, 8181, 8193,	17355, 17485,	\vleftskip . 12155, 12156
8231, 8313, 8325,	17490, 17598,	\voffset 1688
8338, 8378, 8460,	17615, 17655,	\voidbex 6122
8472, 8485, 8525,	17674, 17812,	\vphantom 17077
8607, 8619, 8632,	17848, 17878, 17879	\vpic . 12960, 12970, 12971
8672, 8754, 8766,	\vboxL 13090,	\vrightskip 12155, 12156
8779, 8819, 8901,	14203, 14248, 17348	\vrule 382,
8913, 8926, 8966,	\vboxR 13082, 17340	1486, 4060, 4061,
9048, 9060, 9073,	\vcenter	5230, 5232, 6236,
9113, 9195, 9207,	393, 1471, 6221,	6439, 6478, 6541,
9220, 9260, 9284,	16158, 17414,	6553, 6718, 9795,
9351, 9363, 9375,	17492, 17493, 17598	9830, 10539,
9393, 9401, 9407,	\veqno 329, 330	10558, 12000,
9415, 9421, 9429,	\verb 16171	12036, 12299,
9463, 9470, 9477,	\VerbBox 7349, 7351	12306, 12331,
9518, 9526, 9539,	\verse@i . 5261, 5292,	12381, 12388,
9793, 9826, 9913,	5298, 5306, 5347	12414, 12441,
9918, 9941, 9954,	\verse@ii 5272,	12554, 12565,
9968, 10252,	5293, 5299, 5301,	16082, 16111,
10265, 10278,	5307, 5309, 5347	16153, 17601,
10296, 10420,	\versewidth	17657, 17679, 17826
10433, 10457,	. . . 5224, 5234, 5326	\vsize . . . 2083, 2103,
10536, 10556,	\vfil . . . 415, 429, 622,	2111, 6599, 6764,
12009, 12049,	625, 740, 769,	9933, 10385, 10436
12087, 12187,	928, 931, 991,	\vskip . . . 311, 314, 416,
12289, 12294,	1020, 1179, 1182,	419, 425, 484,
12296, 12304,	1240, 1269, 5231,	490, 496, 500,
12322, 12327,	5588, 5591, 5643,	562, 640, 741,
12371, 12376,	5672, 5775, 5778,	750, 760, 831,
12378, 12386,	5819, 5848, 5921,	835, 841, 845,
12404, 12409,	5935, 7022, 7043,	866, 992, 1001,
12437, 12970,	7460, 7474, 7555,	1011, 1082, 1086,
12971, 12984,	7569, 9640, 9654,	1092, 1096, 1121,
12988, 12993,	13302, 13305,	1241, 1250, 1260,
12997, 13009,	13426, 13455,	1331, 1336, 1342,
13020, 13035,	13565, 13594,	1346, 1352, 1355,
13037, 13039,	13751, 13754,	2038, 5287, 5314,
13042, 13047,	13829, 13843,	5350, 5351, 5357,
13082, 13089,	14015, 14029, 17880	5361, 5363, 5474,
13090, 13097,	\vfill 5011, 7956, 7960,	5476, 5533, 5572,
13191, 14729,	13035, 13040,	5644, 5653, 5663,
15296, 15928,	13041, 14213,	5709, 5748, 5820,
16123, 16158,	14228, 14260,	5829, 5839, 5870,
16163, 16914,	14277, 14405,	5875, 5879, 5881,
16917, 16922,	14427, 14432,	5887, 5891, 5893,
16926, 16930,	14438, 14916,	5922, 5925, 5931,
16934, 16938,	14938, 14943,	5990, 5996, 6002,



6006, 6026, 6065,	13903,	13909,	16004,	16500,
6070, 6078, 6460,	13914,	13917,	16519,	16540,
6503, 6563, 6564,	13936,	14016,	16557,	16574,
6572, 6573, 6582,	14019,	14025,	16591,	16608,
6583, 6664, 6727,	14084,	14090,	16626,	16645,
6728, 6736, 6737,	14096,	14100,	16665,	16700,
6746, 6747, 7087,	14120,	14158,	16771,	16955,
7141, 7418, 7426,	14162,	14170,	17134,	17138,
7461, 7464, 7470,	14368,	14375,	17157,	17519,
7525, 7529, 7535,	14409,	14412,	17528,	17537,
7539, 7556, 7559,	14414,	14420,	17546,	17636,
7565, 7624, 7630,	14422,	14424,	17812,	17877,
7636, 7640, 7675,	14440,	14518,	17888, 17903, 17911	
7680, 7689, 7917,	14522,	14525,	\vspace . . 2275, 3668,	
7927, 7939, 9504,	14527,	14534,	3752, 3760, 4378,	
9508, 9522, 9530,	14536,	14539,	4382, 4444, 4448,	
9531, 9576, 9594,	14544,	14685,	4461, 4465, 4478,	
9598, 9606, 9641,	14690,	14774,	4482, 4599, 4608,	
9644, 9650, 9705,	14776,	14780,	4617, 4698, 4705,	
9709, 9715, 9719,	14782,	14793,	4712, 4719, 4726,	
9953, 9955, 9956,	14795,	14803,	5009, 5053, 5057,	
10312, 10421,	14805,	14879,	5864, 5884, 6059,	
10459, 10464,	14886,	14920,	6073, 7669, 7684,	
11588, 11590,	14923,	14925,	7728, 7730, 7732,	
11642, 11655,	14931,	14933,	9589, 9601, 11501,	
12027, 12102,	14935,	14951,	11503, 12069,	
12181, 12183,	15029,	15033,	12082, 14153,	
12186, 12227,	15036,	15038,	14165, 15496,	
12236, 12244,	15045,	15047,	15499, 15501,	
12297, 12298,	15050,	15055,	15506, 16408,	
12300, 12307,	15117,	15252,	16414, 16419,	
12324, 12379,	15257,	15341,	16426, 16431, 16436	
12380, 12382,	15343,	15347,	\vsplit . . 6397, 6398,	
12389, 12406,	15349,	15360,	6415, 6419, 6524,	
12448, 12460,	15362,	15370,	6530, 6535, 6690,	
12479, 12491,	15372,	15438,	6692, 6701, 6713,	
12503, 12935,	15439,	15554,	6793, 7965, 9780,	
12952, 12973,	15561,	15595,	9812, 10429,	
13039, 13320,	15598,	15600,	12941, 12944,	
13359, 13427,	15606,	15608,	12963, 12964,	
13436, 13446,	15610,	15626,	12982, 12986,	
13517, 13521,	15704,	15708,	12991, 12995,	
13527, 13531,	15711,	15713,	13007, 13018, 13045	
13566, 13575,	15720,	15722,	\vss 308, 2096,	
13585, 13660,	15725,	15730,	2108, 6450, 6489,	
13667, 13673,	15765,	15884,	6524, 6530, 6535,	
13677, 13683,	15889,	15973,	6543, 6546, 6551,	
13686, 13691,	15975,	15979,	6556, 6691, 6701,	
13730, 13830,	15981,	15992,	6713, 6716, 6720,	
13833, 13839,	15994,	16002,	6794, 7079, 7089,	



7134, 7143, 9969,	12928,	13124,	\write 2069,
12970, 12971,	13147,	14200,	3435, 5220,
13042, 13191, 17495	14245,	14301,	5223, 5434, 16210
\vtop 176,	14308,	14727,	\wstrutbox . 12947, 12949
393, 399, 1406,	15294,	15444,	
1473, 4119, 4163,	15450,	15456,	X
4207, 6155, 6223,	15462,	15468,	\x . 3447, 3450, 11462,
11991, 16123,	15474,	15480,	11471, 11473, 11485
16158, 16163,	15486,	15492,	\XC@tmp 17239, 17240,
17491, 17598,	15926,	16062,	17254, 17288,
17615, 17727, 17771	16222,	16273,	17289, 17297, 17301
	16310,	16327,	\XC@tstfalse
W	17168,	17212,	. . . . . 17239, 17288
\waslice 12970, 12988,	17386, 17573, 17905		\XC@tsttrue .. 17240,
12993, 13009,	\WF@everypar 17131		17241, 17242,
13028, 13029, 13038	\WF@adjlw .. 17171, 17196		17289, 17290, 17291
\wbslice 12971,	\WF@adjtlm . 17193, 17196		\XC@bidideclaredcolor
12984, 12997,	\WF@box 17168, 17201, 17202		. . . . . 17295, 17300
13020, 13027,	\WF@floatfalse 17134,		\XC@bidideclaredcolor
13029, 13030,	17142, 17152, 17155		. . . . . 17294, 17296
13034, 13035,	\WF@fltmcs 17161		\XC@bidiundeclaredcolor
13042, 13047, 13048	\WF@info 17141,		. . . . . 17279, 17281
\wd 5237,	17151, 17154,		\XC@coremodel
5238, 5298, 5299,	17163, 17198, 17200		. . . . . 17223, 17266
5301, 5307, 5347,	\WF@ovh 17168		\XC@current@color .
5448, 5450, 5463,	\WF@place .. 17166, 17172		. . . . . 17251,
5465, 6245, 7362,	\WF@putfigmaybe .. 17132		17254, 17255,
7366, 9294, 9759,	\WF@size ... 17145, 17199		17285, 17301, 17302
9874, 10358,	\WF@startwrapping 17204		\XC@declaredcolor .
10476, 10477,	\WF@wfname . . . . .		. . . . . 17246, 17253
10601, 10603,	17163, 17198, 17200		\XC@declaredcolor 17245
10647, 10649,	\WF@wrapil . 17192, 17195		\XC@display .. 17252,
10750, 10831,	\whiledo 9917		17256, 17286, 17303
10833, 10837,	\widowpenalty 88, 297,		\XC@edef ... 17239, 17288
10839, 10870,	579, 710, 972,		\XC@fbbox 17307
10871, 10874,	1221, 2354, 5335,		\XC@getmodclr
10875, 10899,	5604, 5791, 6102,		. . . . . 17219, 17262
10900, 10902,	7440, 7713, 9628,		\XC@inflate 17233, 17276
10915, 10916,	12720, 13396,		\XC@let@Nc . 17254, 17301
10918, 10932,	13789, 13985,		\XC@mclr ... 17233, 17276
10933, 10936,	14187, 14656,		\XC@mmod 17231,
10937, 10961,	15223, 15855, 16387		17232, 17274, 17275
10963, 10967,	\WIDTH 16273, 16281		\XC@mul 17234, 17277
10969, 11549,	\width 10379, 10669, 10671		\XC@split 17297
11593, 11594,	\widthof 7217, 7222		\XC@tgt@mod 17227, 17270
11605, 11649,	\windowbox 13037, 13043		\XC@type ... 17240, 17289
12022, 12088,	\wlog 6525, 6531, 6533,		\XC@undeclaredcolor
12193, 12197,	6604, 6702, 6709		. . . . . 17236, 17247
12199, 12207,			\xcolor@ ... 17251, 17285
12238, 12520,			

`\xdef` 335,
 388, 1764, 2063,
 2478, 2558, 2636,
 2637, 2640, 2641,
 2658, 2659, 2662,
 2663, 3326, 3481,
 5238, 5240, 5321,
 5323, 5325, 7032,
 7053, 7098, 7104,
 7105, 7150, 7156,
 7157, 9343, 9454,
 9511, 9782, 9784,
 9814, 9816, 10160,
 11202, 11542,
 12007, 12891,
 12898, 12905,
 16327, 16796,
 16800, 16821,
 16825, 16887,
 16891, 17166,
 17171, 17192,
 17193, 17195, 17196
`\XeLaTeX` 11454,
 17390, 18061, 18062
`\XeTeX` . . 11453, 13126,
 17388, 18059, 18060
`\xyzzz` 4266

Y
`\y` 11458, 11460,
 11461, 11464, 11471
`\yourmailname` 15449
`\yourrefname` 15443

Z
`\z@` . 12, 24, 45, 58, 73,
 95, 99, 107, 124,
 130, 132, 213, 225,
 229, 254, 267,
 281, 308, 316,
 320, 352, 356,
 359, 370, 385,
 390, 396, 397,
 461, 508, 520,
 525, 552, 590,
 595, 596, 606,
 610, 611, 640, 641,
 644, 646, 659,
 684, 735, 752,
 810, 854, 858,

859, 866, 867,
 870, 873, 885,
 902, 939, 942,
 986, 1003, 1049,
 1061, 1105, 1109,
 1110, 1121, 1122,
 1125, 1127, 1140,
 1166, 1235, 1252,
 1310, 1347, 1373,
 1377, 1380, 1393,
 1415, 1423, 1441,
 1451, 1453, 1463,
 1465, 1470, 1484,
 1486, 1487, 1983,
 2038, 2066, 2082,
 2084, 2091, 2095,
 2096, 2099, 2105,
 3565, 3574, 3867,
 4100, 4104, 4144,
 4148, 4188, 4192,
 4775, 4802, 4833,
 4845, 5023, 5251,
 5254, 5257, 5298,
 5299, 5301, 5307,
 5321, 5325, 5329,
 5330, 5331, 5332,
 5333, 5334, 5347,
 5360, 5428, 5440,
 5441, 5448, 5450,
 5463, 5465, 5473,
 5517, 5521, 5522,
 5533, 5534, 5537,
 5539, 5552, 5575,
 5626, 5628, 5630,
 5638, 5655, 5693,
 5697, 5698, 5709,
 5710, 5713, 5715,
 5728, 5751, 5802,
 5804, 5806, 5814,
 5831, 5865, 5885,
 5902, 5907, 5908,
 5967, 6014, 6029,
 6047, 6049, 6051,
 6060, 6074, 6124,
 6125, 6136, 6138,
 6166, 6168, 6213,
 6215, 6220, 6234,
 6236, 6237, 6242,
 6243, 6244, 6245,
 6246, 6280, 6291,

6409, 6518, 6565,
 6574, 6584, 6602,
 6605, 6642, 6684,
 6729, 6738, 6748,
 6767, 6770, 7020,
 7041, 7058, 7059,
 7061, 7062, 7070,
 7092, 7094, 7097,
 7115, 7116, 7118,
 7119, 7127, 7144,
 7146, 7149, 7331,
 7353, 7355, 7357,
 7360, 7362, 7364,
 7366, 7368, 7369,
 7375, 7380, 7394,
 7408, 7421, 7504,
 7601, 7647, 7657,
 7659, 7661, 7670,
 7685, 7773, 7789,
 7805, 7819, 7832,
 7845, 7880, 7885,
 7940, 7941, 8013,
 8157, 8300, 8447,
 8594, 8741, 8888,
 9035, 9182, 9293,
 9381, 9385, 9389,
 9484, 9505, 9506,
 9507, 9564, 9579,
 9590, 9602, 9684,
 9727, 9729, 9731,
 9760, 9899, 9952,
 9969, 9992, 9994,
 9996, 10005,
 10007, 10009,
 10155, 10204,
 10220, 10235,
 10261, 10274,
 10287, 10301,
 10305, 10426,
 10476, 10483,
 10509, 10510,
 10511, 10584,
 10585, 10586,
 10591, 10592,
 10593, 10594,
 10595, 10597,
 10598, 10600,
 10601, 10603,
 10637, 10638,
 10639, 10640,



10641,	10643,	13962,	13964,	16295,	16305,
10644,	10646,	13997,	14002,	16309,	16310,
10647,	10649,	14003,	14061,	16311,	16314,
11565,	11629,	14108,	14123,	16323,	16324,
11633,	11691,	14141,	14143,	16326,	16327,
11969,	11971,	14145,	14154,	16329,	16337,
12003,	12009,	14166,	14200,	16342,	16357,
12012,	12017,	14201,	14202,	16442,	16443,
12020,	12036,	14245,	14246,	16517,	16607,
12060,	12062,	14247,	14285,	16625,	16718,
12084,	12113,	14289,	14290,	16771,	16776,
12143,	12146,	14295,	14299,	16781,	16829,
12170,	12279,	14300,	14301,	16955,	17141,
12283,	12293,	14306,	14307,	17148,	17149,
12351,	12361,	14308,	14313,	17167,	17183,
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12430,	12447,	14360,	14368,	17196,	17198,
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13100,	13122,	14799,	14871,	17440,	17519,
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13237,	13251,	15047,	15068,	17622,	17627,
13254,	13268,	15095,	15126,	17636,	17708,
13286,	13290,	15252,	15257,	17712,	17752,
13291,	13320,	15302,	15366,	17756,	17797,
13321,	13324,	15417,	15546,	17801,	17804,
13326,	13339,	15554,	15561,	17814,	17815,
13362,	13407,	15563,	15585,	17819,	17826,
13409,	13411,	15608,	15626,	17858,	17875,
13421,	13438,	15653,	15697,	17886,	17914, 17915
13496,	13540,	15722,	15743,	\z@skip . . 2038, 9950,	
13544,	13545,	15774,	15884,	9951,	12060,
13560,	13577,	15889,	15934,	12063,	13251,
13637,	13678,	15998,	16053,	13255,	13265,
13691,	13692,	16054,	16055,	16117,	16122,
13695,	13697,	16056,	16061,	16156,	16162,
13710,	13733,	16062,	16066,	17549,	17550,
13772,	13774,	16078,	16113,	17607,	17613, 17875
13776,	13828,	16137,	16149,	\zap@space	
13871,	13880,	16153,	16246,	. . 3192, 3279, 3315	
13907,	13924,	16250,	16257,	\zifrefundefined . .	
13939,	13960,	16268,	16294,	. . . . . 10058, 10081	



<code>\zref@extractdefault</code>	<code>\zref@labelbyprops</code>
..... 10063 , 10084	..... 10029 , 10104

9 Change History

v13.9		lot, lof, etc with multicol pack-
General: Added implementaion of the		age. 282
package. 0	v14.3	
v14.2	General: Removed <code>\leavevmode</code> to	
General: Fixed the wrong order of toc,	avoid extra <code>\par</code> 136	

