

BIBTOOL Quick Reference Card

for BIBTOOL version 2.61 — see also <http://www.gerd.neugebauer.de/software/TeX/BibTool/>
©2015 Gerd Neugebauer (gene@gerd-neugebauer.de)

Command line options

-- *rsc_command*
Perform resource command as if given in a file.

-A *type*
Determine key disambiguation. *type* in 0, a, A,

-d
Check double entries.

-f *key_format*
Generate keys according to *key_format*

-F
Enable key generation with free key format.

-h
Print short help and exit.

-i *input_file*
Mark a file to be processed later.

-k
Make keys with the short format.

-K
Make keys with the long format.

-o *output_file*
Send the output to *output_file*.

-q
Suppress warning messages.

-r *resource_file*
Read the resource file *resource_file*.

-R
Load the default resource file now.

-s
Sort the result.

-S
Sort the result in reverse order.

-v
Turn on verbose messages about the actions performed.

-x *aux_file*
Extract those entries mentioned in *aux_file*.

-X *regex*
Extract entries matching *regex*.

Libraries

check_y Check the value of the year.
default All default settings.
field Redefine field names.
brace Use braces as delimiters.
improve Apply improvements.
iso2tex Translate ISO 8859/1 characters.
iso_def Define ISO 8859/1 characters for formatting.
month Introduce strings for month names.
opt Remove OPT in field names.
sort_fld Specify sort order for fields.
tex_def Define TeX macros for formatting.
biblatex Capitalize fields known to bibLaTeX.

General

resource.search.path = {*dir*₁:*dir*₂...}
resource {*file*}
bibtex.search.path = {*dir*₁:*dir*₂...}
bibtex.env.name = {*ENV_NAME*}
env.separator = {*c*}
dir.file.separator = {*c*}
print {*message*}
quiet = *OnOff*
verbose = *OnOff*
crossref.limit = {*n*}

Reading and Printing

input {*bib_file*}
output.file = {*file*}
pass.comments = *OnOff*
new.entry.type {*type*}
print.align = *n*
print.align.key = *n*
print.align.preamble = *n*
print.align.comment = *n*
print.braces = *OnOff*
print.comma.at.end = *OnOff*
print.deleted.entries = *OnOff*
print.deleted.prefix = {*prefix*}
print.indent = *n*
print.line.length = *n*
print.newline = *n*
print.parentheses = *OnOff*
print.terminal.comma = *OnOff*
print.use.tab = *OnOff*
print.wide.equal = *OnOff*
suppress.initial.newline = *OnOff*
new.field.type {*new=old*}
symbol.type = *type*
upper, lower, cased

Sorting

sort = *OnOff*
sort.cased = *OnOff*
sort.reverse = *OnOff*
sort.format = {*format*}
sort.order {...}
sort.macros = *OnOff*

Searching (Extraction)

tex.define {*macro*[*arg*]=*text*}

extract.file {*file*}
select {*field*₁...*field*_{*n*} "*regex*"}
select {*type*₁...*type*_{*n*}}
select.by.string {*field*₁...*field*_{*n*} "*regex*"}
select.by.string.ignore {*chars*}
select.case.sensitive = *OnOff*
select.fields = {*field*₁,*field*₂,...}

Field Manipulation

add.field {*field*="value"}
delete.field {*field*}
rename.field {*old=new*}
rename.field {*old=new if field="pattern"*}
rewrite.rule {*pattern*}
delete all matching fields
rewrite.rule {*pattern* # *replacement*}
rewrite all fields
rewrite.rule {*f*₁...*f*_{*n*} # *pattern* # *replacement*}

rewrite some fields
rewrite.case.sensitive = *OnOff*
rewrite.limit = {*n*}

Checks

check.double = *OnOff*
check.do.delete = *OnOff*
check.rule {*field* # *pattern* # *message*}
check.case.sensitive = *OnOff*

Strings

macro.file {*file*}
print.all.strings = *OnOff*
expand.macros = *OnOff*
expand.crossref = *OnOff*

BIBTEX1.0

apply.alias = *OnOff*
apply.include = *OnOff*
apply.modify = *OnOff*
key.make.alias = *OnOff*

Counting

count.all = *OnOff*
count.used = *OnOff*

Key Generation

preserve.keys = *OnOff*
preserve.key.case = *OnOff*
key.format = {*format*}
 special values: short, long, short.need,
 long.need, empty
key.generation = *OnOff*
default.key = {*key*}
key.base = *base*
 values: upper, lower, digit
key.number.separator = {*s*}
key.expand.macros = *OnOff*
fmt.name.title = {*s*}
fmt.title.title = {*s*}
fmt.name.name = {*s*}
fmt.inter.name = {*s*}

fmt.name.pre = {*s*}
fmt.et.al = {*s*}
fmt.word.separator = {*s*}
new.format.type = {*n*=*spec*}

Name Formatting Specification

Use *n* letters. Use *m* name parts. Insert *pre* before, *mid* between, and *post* after the words. Translate according to the *s* parameter ('+', '-', '*').

%*sn.mf*[*mid*][*pre*][*post*]
 format first names.
%*sn.mv*[*mid*][*pre*][*post*]
 format “von” part.
%*sn.ml*[*mid*][*pre*][*post*]
 format last name.
%*sn.mj*[*mid*][*pre*][*post*]
 format “junior” part.

Format Specifications

Pseudo fields:

\$key
\$default.key
\$sortkey
\$source
\$type
@type

\$day
\$month
\$mon
\$year
\$hour
\$minute
\$second
\$user
\$hostname

Formatting Fields:

%±*x.y* *n*(*field*)
 format *y* characters of *x* last names.
%±*x.y* *N*(*field*)
 format *y* characters of *x* names.
%±*x.y* *p*(*field*)
 format *x* names according to the name format *y*.
%±*x.y* *d*(*field*)
 format at most *x* digits of the *y*th number.
%±*x.y* *D*(*field*)
 format *x* digits of the *y*th number without truncation.
%±*x* *s*(*field*)
 format *x* string characters.
%±*x.y* *t*(*field*)
 format *x* sentence words of length *y*.
%±*x.y* *T*(*field*)
 format *x* sentence words of length *y*.
 (Words ignored)

%±*x.y* *w*(*field*)
 format *x* words of length *y*.
%±*x* *W*(*field*)
 format *x* words of length *y*. (Words ignored)
%±*x.y* #*n*(*field*)
 test whether the number of names is between *x* and *y*.
%±*x.y* #*N*(*field*)
 test whether the number of names is between *x* and *y*.
%±*x.y* #*p*(*field*)
 test whether the number of names is between *x* and *y*.
%±*x.y* #*s*(*field*)
 test whether the number of characters is between *x* and *y*.
%±*x.y* #*t*(*field*)
 test whether the number of words is between *x* and *y*.
%±*x.y* #*T*(*field*)
 test whether the number of not ignored words is between *x* and *y*.
%±*x.y* #*w*(*field*)
 test whether the number of words is between *x* and *y*.
%±*x.y* #*W*(*field*)
 test whether the number of not ignored words is between *x* and *y*.