

BIBTOOL Quick Reference Card

for BIBTOOL version 2.61 — see also <http://www.gerd.neugebauer.de/software/TeX/BibTool/>
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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 bib_LAT_EX.

General

- `resource.search.path = {dir1:dir2...}`
- `resource {file}`
- `bibtex.search.path = {dir1:dir2...}`
- `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 {field1...fieldn "regex"}`
- `select {type1...typen}`
- `select.by.string {field1...fieldn "regex"}`
- `select.by.string.ignore {chars}`
- `select.case.sensitive = OnOff`
- `select.fields = {field1,field2,...}`

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 {f1...fn # 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*.