

BibTool Quick Reference Card

for BibTool version 2.68 — see also <http://www.gerd.neugebauer.de/software/TeX/BibTool/>
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Command line options	General	Sorting	Checks
- 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.	- 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	- sort = OnOff - sort.cased = OnOff - sort.reverse = OnOff - sort.format = {format} - sort.order {...} - sort.macros = OnOff	- check.double = OnOff - check.do.delete = OnOff - check.rule {field # pattern # message} - check.warning.rule {field # pattern # message} - check.error.rule {field # pattern # message} - check.case.sensitive = OnOff - unique.field {field}
	Reading and Printing	Searching (Extraction)	Strings
	- input {bib_file} - output.file = {file} - parse.exit.on.error = OnOff - 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	- tex.define {macro[arg]=text} - extract.file {file} - select {field₁...field_n "regex"} - select {type₁...type_n} - select.by.string {field₁...field_n "regex"} - select.by.string.ignore {chars} - select.case.sensitive = OnOff - select.fields = {field₁,field₂,...}	- macro.file {file} - print.all.strings = OnOff - expand.macros = OnOff
		Field Manipulation	Inheritance
		- add.field {field="value"} - delete.field {field} - keep.field {field} - keep.field {field if field₂="pattern"} - 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...f_n # pattern # replacement } - rewrite some fields - rewrite.case.sensitive = OnOff - rewrite.limit = {n}	- crossref.map = OnOff - clear.crossref.map {} - crossref.limit = {n} - expand.crossref = OnOff - expand.xdata = OnOff
			BibT _E X1.0
			- 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.
%snmv[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.
```

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.
keep_bibtex	Keep only the fields of standard Bib _{TeX} styles.
keep_biblatex	Keep only the fields of standard bib _{LaTeX} styles.
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	Define entry types and fields known to bib _{LaTeX} .

Environment Variables

BIBTOOL	Search path for rsc files
BIBINPUTS	Search path for bib files
HOME	Home directory for .bibtoolrsc