

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
<ul style="list-style-type: none">-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.	<ul style="list-style-type: none">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 = OnOffverbose = OnOff	<ul style="list-style-type: none">sort = OnOffsort.cased = OnOffsort.reverse = OnOffsort.format = {format}sort.order {...}sort.macros = OnOff	<ul style="list-style-type: none">check.double = OnOffcheck.do.delete = OnOffcheck.rule {field # pattern # message}check.warning.rule {field # pattern # message}check.error.rule {field # pattern # message}check.case.sensitive = OnOffunique.field {field}
	Reading and Printing	Searching (Extraction)	Strings
	<ul style="list-style-type: none">input {bib_file}output.file = {file}parse.exit.on.error = OnOffpass.comments = OnOffnew.entry.type {type}print.align = nprint.align.key = nprint.align.preamble = nprint.align.comment = nprint.braces = OnOffprint.comma.at.end = OnOffprint.deleted.entries = OnOffprint.deleted.prefix = {prefix}print.indent = nprint.line.length = nprint.newline = nprint.parentheses = OnOffprint.terminal.comma = OnOffprint.use.tab = OnOffprint.wide.equal = OnOffsuppress.initial.newline = OnOffnew.field.type {new=old}symbol.type = typeupper, lower, cased	<ul style="list-style-type: none">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 = OnOffselect.fields = {field₁,field₂,...}	<ul style="list-style-type: none">macro.file {file}print.all.strings = OnOffexpand.macros = OnOff
		Field Manipulation	Inheritance
		<ul style="list-style-type: none">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 fieldsrewrite.rule { pattern # replacement }rewrite.all.fieldsrewrite.rule {f₁...f_n # pattern # replacement }rewrite some fieldsrewrite.case.sensitive = OnOffrewrite.limit = {n}	<ul style="list-style-type: none">crossref.map = OnOffclear.crossref.map {}crossref.limit = {n}expand.crossref = OnOffexpand.xdata = OnOff
			BibT _E X1.0
			<ul style="list-style-type: none">apply.alias = OnOffapply.include = OnOffapply.modify = OnOffkey.make.alias = OnOff
			Counting
			<ul style="list-style-type: none">count.all = OnOffcount.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 BibTeX styles.
keep_biblatex	Keep only the fields of standard bibLaTeX 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 bibLaTeX.

Environment Variables

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