

BibTool Quick Reference Card

for BibTool version 2.68 — see also <http://www.gerd.neugebauer.de/software/TeX/BibTool/>
©2019 Gerd Neugebauer (gene@gerd-neugebauer.de)

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.
%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.
```

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