

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

- **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*.

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
```

Reading and Printing

```
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
```

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...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,...}
```

Field Manipulation

```
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}
```

Checks

```
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}
```

Strings

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

Inheritance

```
crossref.map = OnOff  
clear.crossref.map {}  
crossref.limit = {n}  
expand.crossref = OnOff  
expand.xdata = OnOff
```

BibT_EX1.0

```
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*.

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 |