

BibTool Quick Reference Card

for BibTool version 2.65 — 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}
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}
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.case.sensitive = OnOff
```

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.
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 \LaTeX .