

# BIBTOOL Quick Reference Card

for BIBTOOL version 2.58 — 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*.

## 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 Capitalize fields known to bibLaTeX.

## 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
crossref.limit = {n}
```

## 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}
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
expand.crossref = OnOff
```

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## BIBTEX1.0

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*<sup>th</sup> number.  
%±*x.y* *D*(*field*)  
    format *x* digits of the *y*<sup>th</sup> 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*.

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