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 = {*dir*$_1$*:dir*$_2$*...*}
resource {*file*}
bibtex.search.path = {*dir*$_1$*:dir*$_2$*...*}
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 {*field*$_1$*...field*$_n$ *"regex"*}
select {*type*$_1$*...type*$_n$ }
select.by.string {*field*$_1$*...field*$_n$ *"regex"*}
select.by.string.ignore {*chars*}
select.case.sensitive = *OnOff*
select.fields = {*field*$_1$*,field*$_2$*,...*}

Field Manipulation

add.field {*field="value"*}
delete.field {*field*}
keep.field {*field*}
keep.field {*field if field*$_2$*="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 {*f*$_1$*...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*

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.m*f[*mid*][*pre*][*post*]
: format first names.

%*sn.m*v[*mid*][*pre*][*post*]
: format "von" part.

%*sn.m*l[*mid*][*pre*][*post*]
: format last name.

%*sn.m*j[*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`