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:$\text{dir}_2\ldots$}
resource {file}
bibtex.search.path = {dir_1:$\text{dir}_2\ldots$}
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 {$\text{field}_1\ldots\text{field}_n$ "regex"}
select {$\text{type}_1\ldots\text{type}_n$ }
select.by.string {$\text{field}_1\ldots\text{field}_n$ "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 {$\text{f}_1\ldots\text{f}_n$ # 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.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