BibTool Quick Reference Card

for BibTool version 2.66 — see also http://www.gerd.neugebauer.de/software/TeX/BibTool/

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}
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.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

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.