BibTool Quick Reference Card

Command line options

-- *rsc_command*
    Perform resource command as if given in a file.
-A *type*
    Determine key disambiguation.
-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.

General

resource.search.path = $\{dir_1{:}dir_2\dots\}$
resource $\{file\}$
bibtex.search.path = $\{dir_1{:}dir_2\dots\}$
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 $\{\dots\}$
sort.macros = *OnOff*

Searching (Extraction)

tex.define $\{macro[arg]=text\}$
extract.file $\{file\}$
select $\{field_1\dots field_n\ \text{"}regex\text{"}\}$
select $\{type_1\dots type_n\ \}$
select.by.string $\{field_1\dots field_n\ \text{"}regex\text{"}\}$
select.by.string.ignore $\{chars\}$
select.case.sensitive = *OnOff*
select.fields = $\{field_1,field_2,\dots\}$

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 $\{f_1\dots f_n\ \#\ pattern\ \#\ replacement\}$
        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*

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:

$\%\pm x.y$ n$(field)$
    format y characters of x last names.
$\%\pm x.y$ N$(field)$
    format y characters of x names.
$\%\pm x.y$ p$(field)$
    format x names according to the name format y.
$\%\pm x.y$ d$(field)$
    format at most x digits of the yth number.
$\%\pm x.y$ D$(field)$
    format x digits of the yth number without truncation.
$\%\pm x$ s$(field)$
    format x string characters.
$\%\pm x.y$ t$(field)$
    format x sentence words of length y.
$\%\pm x.y$ T$(field)$
    format x sentence words of length y. (Words ignored)
$\%\pm x.y$ w$(field)$
    format x words of length y.
$\%\pm x$ W$(field)$
    format x words of length y. (Words ignored)
$\%\pm x.y$ #n$(field)$
    test whether the number of names is between x and y.
$\%\pm x.y$ #N$(field)$
    test whether the number of names is between x and y.
$\%\pm x.y$ #p$(field)$
    test whether the number of names is between x and y.
$\%\pm x.y$ #s$(field)$
    test whether the number of characters is between x and y.
$\%\pm x.y$ #t$(field)$
    test whether the number of words is between x and y.
$\%\pm x.y$ #T$(field)$
    test whether the number of not ignored words is between x and y.
$\%\pm x.y$ #w$(field)$
    test whether the number of words is between x and y.
$\%\pm x.y$ #W$(field)$
    test whether the number of not ignored words is between x and y.