

NAME

bibtex8 – 8-bit Big BibTeX

SYNOPSIS

bibtex8 [*options*] *aux-file*

DESCRIPTION

BibTeX8 is an 8-bit implementation of BibTeX written in C. It has been enhanced by adding the following features:

- "big" (32-bit) and customisable capacity
- flexible support for non-English languages using 8-bit character sets

BibTeX8 accepts 8-bit characters in its input files, and writes 8-bit characters to its output files. The character set is defined by an external configuration file --- the Codepage and Sort order ("CS") file. By default, it reads a specific CS file "88591lat.csf", which defines ISO 8859-1 character set and its alphabetical sorting order including accented characters.

OPTIONS

- ? --help**
display some brief help text.
- 7 --traditional**
operate in the original 7-bit mode, no CS file used. Only 7-bit ASCII characters are supported, and they are sorted by ASCII code value.
- 8 --8bit**
force 8-bit mode, no CS file used. All 8-bit characters (code > 127) are treated as letters, and they are sorted by their code value.
- c --csfile FILE**
read FILE as the BibTeX character set and sort definition file. Note that options **-7**, **-8** and **-c** are exclusive.
- d --debug TYPE**
report debugging information. TYPE is one or more of all, csf, io, mem, misc, search.
- s --statistics**
report internal statistics.
- t --trace**
report execution tracing.
- v --version**
report BibTeX version.
- B --big**
set large BibTeX capacity.
- H --huge**
set huge BibTeX capacity.
- W --wolfgang**
set really huge BibTeX capacity for Wolfgang.

- M --min_crossrefs ##**
set min_crossrefs to ##.
- mcites ##**
allow ## \cites in the .aux files (deprecated).
- mentints ##**
allow ## integer entries in the .bib databases (deprecated).
- mentstrs ##**
allow ## string entries in the .bib databases (deprecated).
- mfields ##**
allow ## fields in the .bib databases (deprecated).
- mpool ##**
set the string pool to ## bytes (deprecated).
- mstrings ##**
allow ## unique strings.
- mwizfuns ##**
allow ## wizard functions (deprecated).

8BIT LATIN LETTERS SUPPORT

BibTeX8 supports extended features to handle 8bit latin letters. Several built-in functions in bibliography styles are enhanced as follows.

& Pops the top two (integer) literals and pushes their bitwise AND.

| Pops the top two (integer) literals and pushes their bitwise OR.

chr.to.int\$, int.to.chr\$

The function is the same as original BibTeX but 8bit characters are accepted.

width\$ The function is the same as original BibTeX but letters of Latin-1 are supported.

SEE ALSO

More detailed description of **BibTeX8** is available at `$TEXMFDIST/doc/bibtex8/00readme.txt`.
The syntax of Codepage and Sort order (CS) File can be found at
`$TEXMFDIST/doc/bibtex8/csfile.txt`.

AUTHORS

BibTeX8 was written by Niel Kempson and Alejandro Aguilar-Sierra. It is currently maintained as part of TeX Live.

This manpage was written for TeX Live, based on the work by Norbert Preining for Debian GNU/Linux.