

NAME

texi2dvi – convert Texinfo documents to PDF

SYNOPSIS

texi2dvi [*OPTION*]... *FILE*...

DESCRIPTION

Run each Texinfo or (La)TeX *FILE* through TeX in turn until all cross-references are resolved, building all indices. The directory containing each *FILE* is searched for included files. The suffix of *FILE* is used to determine its language ((La)TeX or Texinfo). To process (e)plain TeX files, set the environment variable LATEX=tex.

In order to make texi2dvi a drop-in replacement of TeX/LaTeX in AUC-TeX, the *FILE* may also be composed of the following simple TeX commands.

`\input{FILE}`
the actual file to compile

`\nonstopmode`
same as **--batch**

Makeinfo is used to perform Texinfo macro expansion before running TeX when needed.

General options:

- b, --batch**
no interaction
- D, --debug**
turn on shell debugging (set **-x**)
- h, --help**
display this help and exit successfully
- o, --output=OFILE**
leave output in *OFILE* (implies **--clean**); only one input *FILE* may be specified in this case
- q, --quiet**
no output unless errors (implies **--batch**)
- s, --silent**
same as **--quiet**
- v, --version**
display version information and exit successfully
- V, --verbose**
report on what is done

TeX tuning:

- @** use @input instead of \input for preloaded Texinfo
- dvi** output a DVI file [default]
- e, -E, --expand**
force macro expansion using makeinfo
- I DIR** search *DIR* for Texinfo files

- l, --language=LANG**
specify the LANG of FILE (LaTeX or Texinfo)
- no-line-error**
do not pass **--file-line-error** to TeX
- p, --pdf**
use pdftex or pdflatex for processing
- r, --recode**
call recode before TeX to translate input
- recode-from=ENC**
recode from ENC to the @documentencoding
- src-specials**
pass **--src-specials** to TeX
- t, --command=CMD**
insert CMD in copy of input file
- or **--texinfo=CMD**
multiple values accumulate
- translate-file=FILE**
use given charset translation file for TeX

Build modes:

- build=MODE**
specify the treatment of auxiliary files [local]
- tidy** same as **--build=tidy**
- c, --clean**
same as **--build=clean**
- build-dir=DIR**
specify where the tidy compilation is performed; implies **--tidy**; defaults to TEXI2DVI_BUILD_DIRECTORY [.]
- mostly-clean**
remove the auxiliary files and directories but not the output

The MODE specifies where the TeX compilation takes place, and, as a consequence, how auxiliary files are treated. The build mode can also be set using the environment variable TEXI2DVI_BUILD_MODE.

Valid MODEs are:

- ‘local’ compile in the current directory, leaving all the auxiliary files around. This is the traditional TeX use.
- ‘tidy’ compile in a local *.t2d directory, where the auxiliary files are left. Output files are copied back to the original file.
- ‘clean’ same as ‘tidy’, but remove the auxiliary directory afterwards. Every compilation therefore requires the full cycle.

Using the ‘tidy’ mode brings several advantages:

- the current directory is not cluttered with plethora of temporary files.
- clutter can be even reduced using **--build-dir=dir**: all the *.t2d directories are stored there.
- clutter can be reduced to zero using, e.g., **--build-dir=/tmp/\$USER.t2d** or **--build-dir=\$HOME/.t2d**.
- the output file is updated after every succesful TeX run, for sake of concurrent visualization of the output. In a ‘local’ build the viewer stops during the whole TeX run.
- if the compilation fails, the previous state of the output file is preserved.
- PDF and DVI compilation are kept in separate subdirectories preventing any possibility of auxiliary file incompatibility.

On the other hand, because ‘tidy’ compilation takes place in another directory, occasionally TeX won’t be able to find some files (e.g., when using `\graphicspath`): in that case use **-I** to specify the additional directories to consider.

The values of the BIBTEX, LATEX (or PDFLATEX), MAKEINDEX, MAKEINFO, TEX (or PDFTEX), TEXINDEX, and THUMBPDF environment variables are used to run those commands, if they are set. Any CMD strings are added after `@setfilename` for Texinfo input, in the first line for LaTeX input.

REPORTING BUGS

Email bug reports to `<bug-texinfo@gnu.org>`, general questions and discussion to `<help-texinfo@gnu.org>`. Texinfo home page: <http://www.gnu.org/software/texinfo/>

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SEE ALSO

The full documentation for **texi2dvi** is maintained as a Texinfo manual. If the **info** and **texi2dvi** programs are properly installed at your site, the command

info texi2dvi

should give you access to the complete manual.