

NAME

ltximg – LaTeX environments to image and standalone files

SYNOPSIS

ltximg [*<options>*] [--] *<filename>.<tex|ltx>*

DESCRIPTION

ltximg automates the process of extracting and converting environments from LaTeX file to image formats and *standalone* files using *ghostscript* and *poppler-utils*. Generates a one file with only extracted environments and other with all extracted environments converted to `\includegraphics`.

By default the extracted environments are:

preview pspicture tikzpicture pgfpicture psgraph postscript PSTexample

OPTIONS

Options that accept a value require either a blank space or = between the option and the value. Multiple short options can be bundling and if the last option takes a comma separated list you need -- at the end. Relative or absolute paths for directories and files is not supported.

If used without [*<options>*] the extracted environments are converted to *pdf* image format and saved in `./images` directory using *pdflatex* and *preview* package for process.

General script options:

-h, --help

Display command line help and exit.

-v, --version

Display current version and exit.

-V, --verbose

Verbose printing information.

-l, --log

Write `.log` file with debug information.

-t, --tif

Create `.tif` files using *ghostscript*.

-b, --bmp

Create `.bmp` files using *ghostscript*.

-j, --jpg

Create `.jpg` files using *ghostscript*.

-p, --png

Create `.png` files using *ghostscript*.

-e, --eps

Create `.eps` files using *pdftops*.

-s, --svg

Create `.svg` files using *pdftocairo*.

-P, --ppm

Create `.ppm` files using *pdftoppm*.

-g, --gray

Gray scale for images using *ghostscript*.

-f, --force

Capture `\psset` and `\tikzset` to extract.

-n, --noprew

Create images files without *preview* package.

- r** *integer*, **--runs**=*integer*
Set the number of times the compiler will run on the *input* file for environment extraction (default: 1).
- d** *integer*, **--dpi**=*integer*
Dots per inch resolution for images (default: 150).
- m** *integer*, **--margins**=*integer*
Set margins in bp for *pdfcrop* (default: 0).
- o** *filename*, **--output**=*filename*
Create *output* file.
- imgdir**=*dirname*
Set name of directory to save images and files (default: images).
- prefix**=*string*
Set *prefix* append to each generated files (default: fig).
- myverb**=*macroname*
Add *\macroname* to verbatim inline search (default: myverb).
- clean**=*doc|pst|tkz|all|off*
Removes specific block text in *output* file (default: doc).
- zip**
Compress files generated in .zip format.
- tar**
Compress files generated in .tar.gz format.
- srcenv**
Create files with only code of environments.
- subenv**
Create standalone files for environments.
- shell**
Enable *\write18{SHELL COMMAND}*.
- latex**
Using *latex>dvips>ps2pdf* for compiler *input* and *pdflatex* for compiler *output*.
- dvips**
Using *latex>dvips>ps2pdf* for compiler *input* and *latex>dvips>ps2pdf* for compiler *output*.
- dvilua**
Using *dvilualatex>dvips>ps2pdf* for compiler *input* and *lualatex* for compiler *output*.
- dvipdf**
Using *latex>dvipdfmx* for compiler *input* and *latex>dvipdfmx* for compiler *output*.
- xetex**
Using *xelatex* for compiler *input* and *output*.
- luatex**
Using *lualatex* for compiler *input* and *output*.
- arara**
Use *arara* for compiler *input* and *output*.
- latexmk**
Using *latexmk* for compiler *output* file.
- norun**
Run script, but no create images files.

- nopdf**
Don't create a .pdf image files.
- nocrop**
Don't run *pdfcrop*.
- extrenv=env1,env2,...**
Add new environments to extract.
- skipenv=env1,env2,...**
Skip some default environments to extract.
- verbenv=env1,env2,...**
Add new verbatim environments.
- writenv=env1,env2,...**
Add new verbatim write environments.
- deltenv=env1,env2,...**
Delete environments in *output* file.

EXAMPLE

ltximg --latex -e -p --subenv -o test-out.ltx test-in.ltx

Create a `./images` directory (if it doesn't exist) with all extracted environments converted to .pdf, .eps, .png and *standalone* files, a file *test-in-fig-all.ltx* with all extracted environments and the file *test-out.ltx* with all environments converted to `\includegraphics` using `latex>dvips>ps2pdf` and *preview* package for *test-in.ltx* and `pdflatex` for *test-out.ltx*.

DOCUMENTATION

For full documentation use:

`texdoc ltximg`

ISSUES AND REPORTS

Repository : <<https://github.com/pablgonz/ltximg>>

Bug tracker: <<https://github.com/pablgonz/ltximg/issues>>

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SEE ALSO

gs(1), **dvips**(1), **ps2pdf**(1), **pdfcrop**(1), **pdftops**(1), **pdftocairo**(1), **pdftoppm**(1)