

**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>>

## AUTHOR

Pablo González Luengo, [pablgonz@yahoo.com](mailto:pablgonz@yahoo.com).

## COPYRIGHT AND LICENSE

Copyright 2013–2021 Pablo González, [pablgonz@yahoo.com](mailto:pablgonz@yahoo.com).

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 3 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

## SEE ALSO

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