

NAME

`ltximg` – LaTeX environments to image and standalone files

SYNOPSIS

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

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*.
- extenv=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.

COPYRIGHT AND LICENSE

Copyright 2013–2021 Pablo González, 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)