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 −−imgdir mypics −o test−out.ltx test−in.ltx

Create a `./mypics` 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)