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>

AUTHOR

Pablo González Luengo, *pablgonz@yahoo.com*.

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SEE ALSO

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