

**NAME**

git-latexdiff – Call latexdiff on two Git revisions of a file

**OPTIONS**

Usage: git latexdiff [options] OLD [NEW]

git latexdiff [options] OLD --

git latexdiff [options] -- OLD

Call latexdiff on two Git revisions of a file.

OLD and NEW are Git revision identifiers. NEW defaults to HEAD.

If "--" is used for NEW, then diff against the working directory.

Options:

- help            this help message
- help-examples    show examples of usage
- main <file>     name of the main LaTeX, R Sweave,  
                    or Emacs Org mode file.  
                    The search for the only file containing 'documentclass'  
                    will be attempted, if not specified.  
                    For non-LaTeX files, a reasonable 'prepare' command  
                    will be used unless explicitly provided
- no-view         don't display the resulting PDF file
- latex           run latex instead of pdflatex
- xelatex         run xelatex instead of pdflatex
- lualatex        run lualatex instead of pdflatex
- tectonic        run tectonic instead of pdflatex
- bibtex, --bbl   display changes in the bibliography  
                    (runs bibtex to generate \*.bbl files and  
                    include them in the source file using  
                    latexexpand --expand-bbl before computing  
                    the diff)
- biber           like --bibtex, but runs biber instead.
- run-bibtex, -b   run bibtex as well as latex to generate the PDF file  
                    (pdflatex,bibtex,pdflatex,pdflatex)  
                    NOTE: --bibtex usually works better
- run-biber       run BibLaTeX-Biber as well as latex to generate the PDF file  
                    (pdflatex,biber,pdflatex,pdflatex)  
                    NOTE: --biber usually works better
- view            view the resulting PDF file  
                    (default if -o is not used)
- pdf-viewer <cmd> use <cmd> to view the PDF file (default: \$PDFVIEWER)
- no-cleanup      don't cleanup temp dir after running
- no-flatten      don't call latexexpand to flatten the document
- cleanup MODE    Cleanup temporary files according to MODE:
  - keeppdf (default): keep only the  
                    generated PDF file
  - none: keep all temporary files

(may eat your diskspace)

- all: erase all generated files.  
Problematic with `--view` when the viewer is e.g. `evince`, and doesn't like when the file being viewed is deleted.
- `--latexmk` use `latexmk`
- `--build-dir` use pdfs from specific build directory
- `--latexopt` pass additional options to latex (e.g. `--shell-escape`)
- `-o <file>`, `--output <file>`  
copy resulting PDF into `<file>` (usually ending with `.pdf`)  
Implies "`--cleanup all`"
- `--tmpdirprefix` where temporary directory will be created (default: `/tmp`).  
Relative path will use repository root as a base
- `--verbose`, `-v` give more verbose output
- `--quiet` redirect output from subprocesses to log files
- `--prepare <cmd>` run `<cmd>` before `latexdiff` (e.g. run `make` to generate included files)
- `--filter <cmd>` run `<cmd>` after `latexdiff` and before compilation  
(e.g. to fix up `latexdiff` output)
- `--ln-untracked` symlink uncommitted files from the working directory
- `--version` show `git-latexdiff` version.
- `--subtree` checkout the tree at and below the main file  
(enabled by default, disable with `--whole-tree`)
- `--whole-tree` checkout the whole tree (contrast with `--subtree`)
- `--ignore-latex-errors` keep on going even if latex gives errors, so long as a PDF file is produced
- `--ignore-makefile` ignore the Makefile, build as though it doesn't exist
- `-*` other options are passed directly to `latexdiff`
- `--latexexpand OPT` pass option `OPT` to `latexexpand`. Use multiple times like `--latexexpand OPT1 --latexexpand OPT2` to pass multiple options.
- `--latexdiff-flatten` use `--flatten` from `latexdiff` instead of `latexexpand`

Unrecognized options are passed unmodified to `latexdiff`.

Examples:

Diff the previous revision with the latest commit:

```
git latexdiff HEAD^
```

Diff the latest commit with the working tree:

```
git latexdiff HEAD --
```

Diff latest commit with branch master:

```
git latexdiff master HEAD
```

Pass `--type=CHANGEBAR` to `latexdiff` to get changebars in the margins instead of red+trike/blue+underline diff:

```
git latexdiff --type=CHANGEBAR HEAD^
```

Use a specific `latexdiff` configuration file:

```
git latexdiff --config /path/to/file HEAD^
```