

Package: latexdiff (via r-universe)

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Type Package

Title Diff TeX, 'rmarkdown' or 'quarto' Files Using the 'latexdiff' Utility

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Description Produces a PDF diff of two 'rmarkdown', 'quarto', Sweave or TeX files, using the external 'latexdiff' utility.

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URL <https://github.com/hughjonesd/latexdiff>

BugReports <https://github.com/hughjonesd/latexdiff/issues>

Encoding UTF-8

Imports assertthat, fs, rprojroot

Suggests tinytex, rmarkdown, knitr, quarto, testthat, covr

SystemRequirements latexdiff

RoxxygenNote 7.2.3

Roxxygen list(markdown = TRUE)

Repository <https://hughjonesd.r-universe.dev>

RemoteUrl <https://github.com/hughjonesd/latexdiff>

RemoteRef HEAD

RemoteSha 6d0c95db5cc67dca3f3e122b4ca42ab895136d71

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git_latexdiff	<i>Call latexdiff on git revisions</i>
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Description

git_latexdiff() checks out a previous version of a file and calls latexdiff on it.

Usage

```
git_latexdiff(path, revision, clean = TRUE, ...)
```

Arguments

path	File path to diff
revision	Revision, specified in a form that git understands. See <code>man gitrevisions</code>
clean	Clean up intermediate files, including the checked out file?
...	Arguments passed to <code>latexdiff()</code>

Details

git_latexdiff only checks out the specific file in path. If your Rmd file depends on external resources which have also changed, you will need to checkout the old revision as a whole and create the tex file manually.

Value

The result of latexdiff.

Examples

```
## Not run:  
git_latexdiff("file1.Rmd", "HEAD^")  
git_latexdiff("file1.Rmd", "master@[7 days ago}")  
  
## End(Not run)
```

latexdiff	<i>Produce a diff of two files using latexdiff</i>
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Description

latexdiff() uses the external utility latexdiff to create a PDF file showing differences between two Rmd, qmd, Rnw or TeX files.

Usage

```
latexdiff(
  path1,
  path2,
  output = "diff",
  compile = TRUE,
  open = interactive(),
  clean = TRUE,
  quiet = TRUE,
  output_format = NULL,
  ld_opts = "--replace-context2cmd=\"none\""
)
```

Arguments

path1	Path to the first file.
path2	Path to the second file.
output	File name of the output, without the .tex extension.
compile	Logical. Compile the diff from tex to pdf?
open	Logical. Automatically open the resulting pdf?
clean	Logical. Clean up intermediate TeX files?
quiet	Logical. Suppress printing? Passed to render and knit, and hides standard error of latexdiff itself.
output_format	An rmarkdown output format for Rmd files, probably <code>rmarkdown::latex_document()</code> . The default uses the options defined in the Rmd files. YAML front matter.
ld_opts	Character vector of options to pass to latexdiff. The default avoids some problems with Rmd files.

Details

You will need the latexdiff utility installed on your system:

```
# on MacOS:
brew install latexdiff

# on Linux:
sudo apt install latexdiff
```

For more details see [CTAN](#) or [github](#). You'll need a working perl installation.

You can set the path to latexdiff in the environment variable "LATEXDIFF_PATH", using `Sys.setenv()` or via the command line. If this is unset, it is assumed to be "latexdiff".

File types are determined by extension, which should be one of .tex, .Rmd, .qmd or .rnw. Rmd files are processed by `rmarkdown::render()`. Rnw files are processed by `knitr::knit()`. qmd files are processed by `quarto::quarto_render()`.

latexdiff is not perfect. Some changes will confuse it. In particular:

- If input and output files are in different directories, the "diff.tex" file may have incorrect paths for e.g. included figures. latexdiff will add the --flatten option in this case, but things still are not guaranteed to work.
- Sometimes the "diff.tex" file fails to compile to pdf. If so, set `compile = FALSE` and try editing the tex file manually.

Value

Invisible NULL.

Examples

```
## Not run:  
latexdiff("file1.Rmd", "file2.Rmd")
```

```
## End(Not run)
```

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