

Package ‘latexdiffr’

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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/latexdiffr>

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

Encoding UTF-8

Imports assertthat, fs, rprojroot

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

SystemRequirements latexdiff

RoxygenNote 7.2.3

NeedsCompilation no

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git_latexdiff *Call latexdiff on git revisions*

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 man gitrevisions
clean	Clean up intermediate files, including the checked out file?
...	Arguments passed to latexdiff()

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`*Produce a diff of two files using latexdiff*

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

<code>path1</code>	Path to the first file.
<code>path2</code>	Path to the second file.
<code>output</code>	File name of the output, without the <code>.tex</code> extension.
<code>compile</code>	Logical. Compile the diff from tex to pdf?
<code>open</code>	Logical. Automatically open the resulting pdf?
<code>clean</code>	Logical. Clean up intermediate TeX files?
<code>quiet</code>	Logical. Suppress printing? Passed to <code>render</code> and <code>knit</code> , and hides standard error of <code>latexdiff</code> itself.
<code>output_format</code>	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.
<code>ld_opts</code>	Character vector of options to pass to <code>latexdiff</code> . 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
```

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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