

# Package ‘latexdiffr’

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**Type** Package

**Title** Diff 'rmarkdown' Files Using the 'latexdiff' Utility

**Version** 0.1.0

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

**License** MIT + file LICENSE

**Encoding** UTF-8

**Imports** fs, rprojroot

**Suggests** tinytex, rmarkdown, knitr, testthat, covr

**SystemRequirements** latexdiff

**RoxygenNote** 7.1.1

**NeedsCompilation** no

**Repository** CRAN

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git\_latexdiff      *Call latexdiff on git revisions*

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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 man gitrevisions
clean	Clean up intermediate files, including the checked out file?
...	Arguments passed to <a href="#">latexdiff()</a>

## 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)
```

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`latexdiff`*Produce a diff of two files using latexdiff*

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### Description

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

### Usage

```
latexdiff(  
  path1,  
  path2,  
  output = "diff",  
  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>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>knitr</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

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

You will need the `latexdiff` utility installed on your system:

```
# on MacOS:  
brew install latexdiff
```

```
# on Linux:  
sudo apt install latexdiff
```

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.

**Value**

Invisible NULL.

**Examples**

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

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