

NAME

`latexdiff-vc` – wrapper script that calls `latexdiff` for different versions of a file under version management (CVS, RCS or SVN)

SYNOPSIS

latexdiff-vc [*latexdiff-options*] [*latexdiff-vc-options*] **-r** [*rev1*] [**-r** *rev2*] *file1.tex* [*file2.tex* ...]

or

latexdiff-vc [*latexdiff-options*] [*latexdiff-vc-options*] [**--postscript** | **--pdf**] *old.tex new.tex*

DESCRIPTION

latexdiff-vc is a wrapper script that applies *latexdiff* to a file, or multiple files under version control (CVS or RCS), and optionally runs the sequence of `latex` and `dvips` or `pdflatex` commands necessary to produce pdf or postscript output of the difference tex file(s). It can also be applied to a pair of files to automatise the generation of difference file in postscript or pdf format.

OPTIONS

--rcs, **--svn**, or **--cvs**

Set the version system. If no version system is specified, `latexdiff-vc` will venture a guess.

`latexdiff-cvs` and `latexdiff-rcs` are variants of `latexdiff-vc` which default to the respective versioning system. However, this default can still be overridden using the options above.

-r, **-r** *rev* or **--revision**, **--revision=rev**

Choose revision (under RCS, CVS or SVN). One or two **-r** options can be specified, and the resulting in different behaviour:

latexdiff-vc **-r** *file.tex* ...

compares *file.tex* with the most recent version checked into RCS.

latexdiff-vc **-r** *rev1* *file.tex* ...

compares *file.tex* with revision *rev1*.

latexdiff-vc **-r** *rev1* **-r** *rev2* *file.tex* ...

compares revisions *rev1* and *rev2* of *file.tex*.

Multiple files can be specified for all of the above options. All files must have the extension `.tex`, though.

latexdiff-vc *old.tex new.tex*

compares two files.

The name of the difference file is generated automatically and reported to stdout.

-d or **--dir** **-d** *path* or **--dir=***path*

Rather than appending the string `diff` and optionally the version numbers given to the output-file, this will prepend a directory name `diff` to the original filename, creating the directory and subdirectories should they not exist already. This is particularly useful in order to clone a complete directory hierarchy. Optionally, a pathname *path* can be specified, which is prepended instead of `diff`.

--ps or **--postscript**

Generate postscript output from difference file. This will run the sequence `latex; latex; dvips` on the difference file (do not use this option in the rare cases, where three `latex` commands are required if you care about correct referencing). If the difference file contains a `\bibliography` tag, run the sequence `latex; bibtex; latex;`

latex; dvips.

--pdf

Generate pdf output from difference file using `pdflatex`. This will run the sequence `pdflatex; pdflatex` on the difference file, or `pdflatex; bibtex; pdflatex; pdflatex` for files requiring `bibtex`.

--force

Overwrite existing diff files without asking for confirmation. Default behaviour is to ask for confirmation before overwriting an existing difference file.

--help or **-h**

Show help text

--version

Show version number

All other options are passed on to `latexdiff`.

SEE ALSO

`latexdiff`

PORTABILITY

latexdiff-vc uses external commands and is therefore limited to Unix-like systems. It also requires the RCS version control system and `latex` to be installed on the system. Modules from Perl 5.8 or higher are required.

AUTHOR

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