

How to compare two LaTeX files

We can use [latexdiff](#) to compare two LaTeX files. This Perl script has an issue with bibliography files, so place this wrapper before TeX Live's latexdiff:

```
#!/bin/sh
$HOME/opt/texlive/current/bin/x86_64-linux/latexdiff "$@" |
    sed -E 's/\\DIFadd\\{(natexlab)\\}/\\1/g'
```

To compare two LaTeX files:

```
latexdiff file1.tex file2.tex > diff.tex
```

To compare two main files that input other files:

```
latexdiff --flatten main1.tex main2.tex > diff.tex
```

To compare a git revision and main.tex:

```
latexdiff-vc --git --flatten -r REVISION main.tex
# main-diffREVISION.tex is generated
```

To compare two git revisions of main.tex:

```
latexdiff-vc --git --flatten -r REVISION1 -r REVISION2 main.tex
# main-diffREVISION1-REVISION2.tex is generated
```

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