NAME

grepdiff − show files modified by a diff containing a regex

SYNOPSIS

grepdiff [[−n] | [−−line−number]] [[−N] | [−−number−files]] [[−p *n*] | [−−strip−match=*n*]] [−−strip=*n*] [−−addprefix=*PREFIX*] [−−addoldprefix=*PREFIX*] [−−addnewprefix=*PREFIX*] [[−s] | [−−status]] [[−i *PATTERN*] | [−−include=*PATTERN*]] [[−I *FILE*] | [−−include−from−file=*FILE*]] [[−x *PATTERN*] | [−−exclude=*PATTERN*]] [[−X *FILE*] | [−−exclude−from−file=*FILE*]] [[−# *RANGE*] | [−−hunks=*RANGE*]] [−−lines=*RANGE*] [[−F*RANGE*] | [−−files=*RANGE*]] [−−annotate] [−−as−numbered−lines=*WHEN*] [−−format=*FORMAT*] [−−remove−timestamps] [[−v] | [−−verbose]] [[−z] | [−−decompress]] [[−E] | [−−extended−regexp]] [[−H] | [−−with−filename]] [[−h] | [−−no−filename]] [−−output−matching=*WHAT*] {[*REGEX*] | [−f *FILE*]} [*file*...]

grepdiff {[−−help] | [−−version] | [−−list] | [−−filter ...]}

DESCRIPTION

For each file modified by a patch, if the patch hunk contains the *REGEX* then the file's name is printed.

The regular expression is treated as POSIX Basic Regular Expression syntax, unless the **−E** option is given in which case POSIX Extended Regular Expression syntax is used.

For example, to see the patches in my.patch which contain the regular expression “pf_gfp_mask”, use:

```
grepdiff pf_gfp_mask my.patch | \
  xargs −rn1 filterdiff my.patch −i
```

You can use both unified and context format diffs with this program.

OPTIONS

−n, **−−line−number**
: Display the line number that each patch begins at. If verbose output is requested, each matching hunk is listed as well.

  For a description of the output format see **lsdiff**(1).

−N, **−−number−files**
: File numbers are listed, beginning at 1, before each filename.

−p *n*, **−−strip−match=***n*
: When matching, ignore the first *n* components of the pathname.

−−strip=*n*
: Remove the first *n* components of the pathname before displaying it.

−−addprefix=*PREFIX*
: Prefix the pathname with *PREFIX* before displaying it. This will override any individual settings specified with the **−−addoldprefix** or **−−addnewprefix** options.

−−addoldprefix=*PREFIX*
: Prefix pathnames for old or original files in the output by *PREFIX*.

−−addnewprefix=*PREFIX*
: Prefix pathnames for updated or new files in the output by *PREFIX*.

−s
: Show file additions, modifications and removals. A file addition is indicated by a “+”, a removal by a “−”, and a modification by a “!”.

−i *PATTERN*, **−−include=***PATTERN*
: Include only files matching *PATTERN*.

−I *FILE*, **−−include−from−file=***FILE*
: Include only files matching any pattern listed in *FILE*, one pattern per line. All other lines in the input

are suppressed.

−x *PATTERN* **−−exclude=***PATTERN*
Exclude files matching *PATTERN*.

−X *FILE*, **−−exclude−from−file=***FILE*
Exclude files matching any pattern listed in *FILE*, one pattern per line. All other lines in the input are displayed.

−# *RANGE*, **−−hunks**=*RANGE*
Only include hunks within the specified *RANGE*. Hunks are numbered from 1, and the range is a comma−separated list of numbers or “first−last” spans, optionially preceeded by a modifier 'x' which inverts the entire range; either the first or the last in the span may be omitted to indicate no limit in that direction.

−−lines=*RANGE*
Only list hunks that contain lines from the original file that lie within the specified *RANGE*. Lines are numbered from 1, and the range is a comma−separated list of numbers or “first−last” spans, optionially preceeded by a modifier 'x' which inverts the entire range; either the first or the last in the span may be omitted to indicate no limit in that direction.

−F=*RANGE*, **−−files**=*RANGE*
Only list files indicated by the specified *RANGE*. Files are numbered from 1 in the order they appear in the patch input, and the range is a comma−separated list of numbers or “first−last” spans, optionially preceeded by a modifier 'x' which inverts the entire range; either the first or the last in the span may be omitted to indicate no limit in that direction.

−−annotate
Annotate each hunk with the filename and hunk number.

−−as−numbered−lines=before|after
Instead of a patch fragment, display the lines of the selected hunks with the line number of the file before (or after) the patch is applied, followed by a TAB character and a colon, at the beginning of each line. Each hunk except the first will have a line consisting of “...” before it.

−−format=unified|context
Use specified output format.

−−remove−timestamps
Do not include file timestamps in the output.

−z, **−−decompress**
Decompress files with extensions .gz and .bz2.

−E, **−−extended−regexp**
Use POSIX Extended Regular Expression syntax.

−H, **−−with−filename**
Print the name of the patch file containing each match.

−h, **−−no−filename**
Suppress the name of the patch file containing each match.

−f *FILE*, **−−file=***FILE*
Read regular expressions from *FILE*, one per line.

−−output−matching=hunk|file
Display the matching hunk−level or file−level diffs.

−−help
Display a short usage message.

−−version
Display the version number of grepdiff.

−−filter
Behave like **filterdiff**(1) instead.

−−list
Behave like **lsdiff**(1) instead.

SEE ALSO

filterdiff(1), **lsdiff**(1)

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