

-p
--preserve-paths
Preserve complete path information in the names of generated ‘.gcov’ files. Without this option, just the filename component is used. With this option, all directories are used, with ‘/’ characters translated to ‘#’ characters, ‘.’ directory components removed and unremoveable ‘..’ components renamed to ‘^’. This is useful if sourcefiles are in several different directories.

-q
--use-hotness-colors
Emit perf-like colored output for hot lines. Legend of the color scale is printed at the very beginning of the output file.

-r
--relative-only
Only output information about source files with a relative pathname (after source prefix elision). Absolute paths are usually system header files and coverage of any inline functions therein is normally uninteresting.

-s directory
--source-prefix directory
A prefix for source file names to remove when generating the output coverage files. This option is useful when building in a separate directory, and the pathname to the source directory is not wanted when determining the output file names. Note that this prefix detection is applied before determining whether the source file is absolute.

-t
--stdout Output to standard output instead of output files.

-u
--unconditional-branches
When branch probabilities are given, include those of unconditional branches. Unconditional branches are normally not interesting.

-v
--version
Display the gcov version number (on the standard output), and exit without doing any further processing.

-w
--verbose
Print verbose informations related to basic blocks and arcs.

-x
--hash-filenames
When using *--preserve-paths*, gcov uses the full pathname of the source files to create an output filename. This can lead to long filenames that can overflow filesystem limits. This option creates names of the form ‘*source-file##md5.gcov*’, where the *source-file* component is the final filename part and the *md5* component is calculated from the full mangled