



Full credit is given to the above companies including the OS that this PDF file was generated!

Red Hat Enterprise Linux Release 9.2 Manual Pages on 'ftw.h.0p' command

\$ man ftw.h.0p

ftw.h(0P) POSIX Programmer's Manual ftw.h(0P)

PROLOG

This manual page is part of the POSIX Programmer's Manual. The Linux implementation of this interface may differ (consult the corresponding Linux manual page for details of Linux behavior), or the interface may not be implemented on Linux.

NAME

ftw.h ? file tree traversal

SYNOPSIS

```
#include <ftw.h>
```

DESCRIPTION

The <ftw.h> header shall define the FTW structure, which shall include at least the following members:

int base

int level

The <ftw.h> header shall define the following symbolic constants for use as values of the third argument to the application-supplied function that is passed as the second argument to ftw() and nftw():

FTW_F Non-directory file.

FTW_D Directory.

FTW_DNR Directory without read permission.

FTW_DP Directory with subdirectories visited.

FTW_NS Unknown type; stat() failed.

FTW_SL Symbolic link.

FTW_SLN Symbolic link that names a nonexistent file.

The `<ftw.h>` header shall define the following symbolic constants for use as values of the fourth argument to `nftw()`:

FTW_PHYS Physical walk, does not follow symbolic links. Otherwise, `nftw()` follows links but does not walk down any path that crosses itself.

FTW_MOUNT The walk does not cross a mount point.

FTW_DEPTH All subdirectories are visited before the directory it? self.

FTW_CHDIR The walk changes to each directory before reading it.

The following shall be declared as functions and may also be defined as macros. Function prototypes shall be provided.

```
int ftw(const char *, int (*)(const char *, const struct stat *,
int), int);
```

```
int nftw(const char *, int (*)(const char *, const struct stat *,
int, struct FTW *), int, int);
```

The `<ftw.h>` header shall define the `stat` structure and the symbolic names for `st_mode` and the file type test macros as described in `<sys/stat.h>`.

Inclusion of the `<ftw.h>` header may also make visible all symbols from `<sys/stat.h>`.

The following sections are informative.

APPLICATION USAGE

None.

RATIONALE

None.

FUTURE DIRECTIONS

None.

SEE ALSO

`<sys_stat.h>`

The System Interfaces volume of POSIX.1?2017, `ftw()`, `nftw()`

COPYRIGHT

Portions of this text are reprinted and reproduced in electronic form from IEEE Std 1003.1-2017, Standard for Information Technology -- Portable Operating System Interface (POSIX), The Open Group Base Specifications Issue 7, 2018 Edition, Copyright (C) 2018 by the Institute of Electrical and Electronics Engineers, Inc and The Open Group. In the event of any discrepancy between this version and the original IEEE and The Open Group Standard, the original IEEE and The Open Group Standard is the referee document. The original Standard can be obtained online at <http://www.opengroup.org/unix/online.html>.

Any typographical or formatting errors that appear in this page are most likely to have been introduced during the conversion of the source files to man page format. To report such errors, see https://www.kernel.org/doc/man-pages/reporting_bugs.html.

IEEE/The Open Group

2017

ftw.h(OP)