



Red Hat Enterprise Linux Release 9.2 Manual Pages on 'fegetexceptflag.3p' command

\$ man fegetexceptflag.3p

FEGETEXCEPTFLAG(3P) POSIX Programmer's Manual FEGETEXCEPTFLAG(3P)

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

fegetexceptflag, fesetexceptflag ? get and set floating-point status flags

SYNOPSIS

```
#include <fenv.h>

int fegetexceptflag(fexcept_t *flagp, int excepts);

int fesetexceptflag(const fexcept_t *flagp, int excepts);
```

DESCRIPTION

The functionality described on this reference page is aligned with the ISO C standard. Any conflict between the requirements described here and the ISO C standard is unintentional. This volume of POSIX.1?2017 defers to the ISO C standard.

The fegetexceptflag() function shall attempt to store an implementation-defined representation of the states of the floating-point status flags indicated by the argument excepts in the object pointed to by the argument flagp.

The fesetexceptflag() function shall attempt to set the floating-point

status flags indicated by the argument excepts to the states stored in the object pointed to by flagp. The value pointed to by flagp shall have been set by a previous call to fegetexceptflag() whose second argument represented at least those floating-point exceptions represented by the argument excepts. This function does not raise floating-point exceptions, but only sets the state of the flags.

RETURN VALUE

If the representation was successfully stored, fegetexceptflag() shall return zero. Otherwise, it shall return a non-zero value. If the excepts argument is zero or if all the specified exceptions were successfully set, fesetexceptflag() shall return zero. Otherwise, it shall return a non-zero value.

ERRORS

No errors are defined.

The following sections are informative.

EXAMPLES

None.

APPLICATION USAGE

None.

RATIONALE

None.

FUTURE DIRECTIONS

None.

SEE ALSO

feclearexcept(), feraiseexcept(), fetestexcept()

The Base Definitions volume of POSIX.1-2017, <fenv.h>

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