Rocky Enterprise Linux 9.2 Manual Pages on command 'fdiml.3'

C:\>man fdiml.3

FDIM(3) Linux Programmer's Manual FDIM(3)

NAME

fdim, fdimf, fdiml - positive difference

SYNOPSIS

#include <math.h>

double fdim(double x, double y);

float fdimf(float x, float y);

long double fdiml(long double x, long double y);

Link with -lm.

Feature Test Macro Requirements for glibc (see feature_test_macros(7)):

fdimf(), fdiml():

_ISOC99_SOURCE || _POSIX_C_SOURCE >= 200112L

DESCRIPTION

These functions return the positive difference, max(x-y,0), between their argu?

ments.

RETURN VALUE

On success, these functions return the positive difference.

If x or y is a NaN, a NaN is returned.

If the result overflows, a range error occurs, and the functions return HUGE_VAL,

HUGE_VALF, or HUGE_VALL, respectively.

ERRORS

See math_error(7) for information on how to determine whether an error has occurred

when calling these functions.

The following errors can occur:

Range error: result overflow

An overflow floating-point exception (FE_OVERFLOW) is raised.

These functions do not set errno.

VERSIONS

These functions first appeared in glibc in version 2.1.

ATTRIBUTES

For an explanation of the terms used in this section, see attributes(7).

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?Interface ? Attribute ? Value ?

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?fdim(), fdimf(), fdiml() ? Thread safety ? MT-Safe ?

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CONFORMING TO

C99, POSIX.1-2001, POSIX.1-2008.

SEE ALSO

fmax(3)

COLOPHON

This page is part of release 5.05 of the Linux man-pages project. A description of the project, information about reporting bugs, and the latest version of this page, can be found at https://www.kernel.org/doc/man-pages/.