



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

C:\>man fdimf.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 arguments.

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).

??

?Interface ? Attribute ? Value ?

??

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

??

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/>.