



Linux Ubuntu 26.04 Manual Pages on command 'fmaxf.3'

\$ man fmaxf.3

fmax(3) Library Functions Manual fmax(3)

NAME

fmax, fmaxf, fmaxl - determine maximum of two floating-point numbers

LIBRARY

Math library (libm, -lm)

SYNOPSIS

```
#include <math.h>

double fmax(double x, double y);

float fmaxf(float x, float y);

long double fmaxl(long double x, long double y);
```

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

```
fmax(), fmaxf(), fmaxl():
    _ISOC99_SOURCE || _POSIX_C_SOURCE >= 200112L
```

DESCRIPTION

These functions return the larger value of x and y.

RETURN VALUE

These functions return the maximum of x and y.

If one argument is a NaN, the other argument is returned.

If both arguments are NaN, a NaN is returned.

ERRORS

No errors occur.

ATTRIBUTES

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

Interface	Attribute	Value
<code>fmax()</code> , <code>fmaxf()</code> , <code>fmaxl()</code>	Thread safety	MT-Safe

C11, POSIX.1-2008.

glibc 2.1. C99, POSIX.1-2001.

 $\text{fdim}(3), \text{fmin}(3)$

fmax(3)