NAME

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

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);

Link with -lm.

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.

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
<pre>fmax(), fmaxf(), fmaxl()</pre>	Thread safety	MT-Safe

CONFORMING TO

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

SEE ALSO

fdim(3), fmin(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/.

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