



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

C:\>man fmax.3

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

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).

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?Interface ? Attribute ? Value ?

??

?fmax(), fmaxf(), fmaxl() ? 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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