



## ***Rocky Enterprise Linux 9.2 Manual Pages on command 'fmin.3'***

**C:\>man fmin.3**

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

### NAME

fmin, fminf, fminl - determine minimum of two floating-point numbers

### SYNOPSIS

```
#include <math.h>
```

```
double fmin(double x, double y);
```

```
float fminf(float x, float y);
```

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

Link with -lm.

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

```
fmin(), fminf(), fminl():
```

```
  _ISOC99_SOURCE || _POSIX_C_SOURCE >= 200112L
```

### DESCRIPTION

These functions return the lesser value of x and y.

### RETURN VALUE

These functions return the minimum 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   ?

??

?fmin(), fminf(), fminl() ? Thread safety ? MT-Safe ?

??

## CONFORMING TO

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

## SEE ALSO

[fdim\(3\)](#), [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/>.

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