



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

\$ man fabs.3

fabs(3) Library Functions Manual fabs(3)

NAME

fabs, fabsf, fabsl - absolute value of floating-point number

LIBRARY

Math library (libm, -lm)

SYNOPSIS

```
#include <math.h>

double fabs(double x);

float fabsf(float x);

long double fabsl(long double x);
```

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

```
fabsf(), fabsl():

    _ISOC99_SOURCE || _POSIX_C_SOURCE >= 200112L
    || /* Since glibc 2.19: */ _DEFAULT_SOURCE
    || /* glibc <= 2.19: */ _BSD_SOURCE || _SVID_SOURCE
```

DESCRIPTION

These functions return the absolute value of the floating-point number x.

RETURN VALUE

These functions return the absolute value of x.

If x is a NaN, a NaN is returned.

If x is -0, +0 is returned.

If x is negative infinity or positive infinity, positive infinity is returned.

ERRORS

ATTRIBUTES

[illegible][illegible][illegible]

C11, POSIX.1-2008.

C99, POSIX.1-2001.

SEE ALSO

Linux man-pages 6.17 2026-02-08 fabs(3)