

NAME

fabs, **fabsf**, **fabsl** - floating-point absolute value functions

LIBRARY

Math Library (libm, -lm)

SYNOPSIS

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

double

```
fabs(double x);
```

float

```
fabsf(float x);
```

long double

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

DESCRIPTION

The **fabs()**, **fabsf()** and **fabsl()** functions compute the absolute value of a floating-point number *x*.

RETURN VALUES

The **fabs()**, **fabsf()** and **fabsl()** functions return the absolute value of *x*.

SEE ALSO

abs(3), ceil(3), floor(3), ieee(3), math(3), rint(3)

STANDARDS

The **fabs()** function conforms to ISO/IEC 9899:1990 ("ISO C90"). The **fabsf()** and **fabsl()** functions conform to ISO/IEC 9899:1999 ("ISO C99").