

**NAME**

**sin**, **sinf**, **sinl** - sine functions

**LIBRARY**

Math Library (libm, -lm)

**SYNOPSIS**

**#include** <math.h>

*double*

**sin**(*double x*);

*float*

**sinf**(*float x*);

*long double*

**sinl**(*long double x*);

**DESCRIPTION**

The **sin**(), **sinf**(), and **sinl**() functions compute the sine of  $x$  (measured in radians). A large magnitude argument may yield a result with little or no significance.

**RETURN VALUES**

The **sin**(), **sinf**(), and **sinl**() functions return the sine value.

**SEE ALSO**

acos(3), asin(3), atan(3), atan2(3), cos(3), cosh(3), csin(3), math(3), sinh(3), tan(3), tanh(3)

**STANDARDS**

These functions conform to ISO/IEC 9899:1999 ("ISO C99").

**HISTORY**

The **sin**() function first appeared in Version 1 AT&T UNIX.