NAME

copysign, **copysignf**, **copysignl** - copy sign

LIBRARY

Math Library (libm, -lm)

SYNOPSIS

#include <math.h>

double
copysign(*double x*, *double y*);

float
copysignf(*float x*, *float y*);

long double
copysignl(*long double x*, *long double y*);

DESCRIPTION

The **copysign**(), **copysignf**() and **copysignl**() functions return *x* with its sign changed to *y*'s.

SEE ALSO

fabs(3), fdim(3), ieee(3), math(3)

STANDARDS

The **copysign**(), **copysignf**(), and **copysignl**() routines conform to ISO/IEC 9899:1999 ("ISO C99").
They implement the Copysign function recommended by IEEE Std 754-1985.

HISTORY

The **copysign**(), **copysignf**(), and **copysignl**() functions appeared in 4.3BSD, FreeBSD 2.0, and
FreeBSD 5.3, respectively.