

NAME

cosh, **coshf**, **coshl** - hyperbolic cosine functions

LIBRARY

Math Library (libm, -lm)

SYNOPSIS

#include <math.h>

double

cosh(*double x*);

float

coshf(*float x*);

long double

coshl(*long double x*);

DESCRIPTION

The **cosh**(), **coshf**(), and **coshl**() functions compute the hyperbolic cosine of *x*.

SEE ALSO

acos(3), asin(3), atan(3), atan2(3), ccosh(3), cos(3), math(3), sin(3), sinh(3), tan(3), tanh(3)

STANDARDS

The **cosh**() function conforms to ISO/IEC 9899:1990 ("ISO C90").

HISTORY

The **cosh**() function first appeared in Version 7 AT&T UNIX.