

NAME

ccosh, **ccoshf**, **csinh**, **csinhf**, **ctanh**, **ctanhf** - complex hyperbolic functions

LIBRARY

Math Library (libm, -lm)

SYNOPSIS

#include <complex.h>

double complex

ccosh(*double complex* z);

float complex

ccoshf(*float complex* z);

double complex

csinh(*double complex* z);

float complex

csinhf(*float complex* z);

double complex

ctanh(*double complex* z);

float complex

ctanhf(*float complex* z);

DESCRIPTION

The **ccosh**(), **csinh**(), and **ctanh**() functions compute the hyperbolic cosine, sine, and tangent of the complex number *z*, respectively. The **ccoshf**(), **csinhf**(), and **ctanhf**() functions perform the same operations in *float* precision.

SEE ALSO

cacosh(3), ccos(3), complex(3), cosh(3), math(3), sinh(3), tanh(3)

STANDARDS

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