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Linux Ubuntu 26.04 Manual Pages on command 'csinhf.3'

$ man csinhf.3

csinh(3) Library Functions Manual csinh(3)

NAME

csinh, csinhf, csinhl - complex hyperbolic sine

LIBRARY

Math library (libm, -lm)

SYNOPSIS

```
#include <complex.h>

double complex csinh(double complex z);

float complex csinhf(float complex z);

long double complex csinhl(long double complex z);
```

DESCRIPTION

These functions calculate the complex hyperbolic sine of z.

The complex hyperbolic sine function is defined as:

csinh(z) = (exp(z)-exp(-z))/2

ATTRIBUTES

For an explanation of the terms used in this section, see attributes(7).

Interface	Attribute	Value
csinh(), csinhf(), csinhl()	Thread safety	MT-Safe

STANDARDS

C11, POSIX.1-2008.

HISTORY

glibc 2.1. C99, POSIX.1-2001.

SEE ALSO

cabs(3), casinh(3), ccosh(3), ctanh(3), complex(7)