



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

\$ man csin.3

csin(3) Library Functions Manual csin(3)

NAME

csin, csinf, csinl - complex sine function

LIBRARY

Math library (libm, -lm)

SYNOPSIS

```
#include <complex.h>

double complex csin(double complex z);

float complex csinf(float complex z);

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

DESCRIPTION

These functions calculate the complex sine of z.

The complex sine function is defined as:

$$\operatorname{csin}(z) = (\exp(i * z) - \exp(-i * z)) / (2 * i)$$

ATTRIBUTES

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

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? Interface ? Attribute ? Value ?

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? csin(), csinf(), csinl() ? Thread safety ? MT-Safe ?

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STANDARDS

C11, POSIX.1-2008.

HISTORY

glibc 2.1. C99, POSIX.1-2001.

SEE ALSO

cabs(3), casin(3), ccos(3), ctan(3), complex(7)

Linux man-pages 6.17

2026-02-08

csin(3)