



Rocky Enterprise Linux 9.2 Manual Pages on command 'csin.3'

C:\>man csin.3

CSIN(3) Linux Programmer's Manual CSIN(3)

NAME

csin, csinf, csinl - complex sine function

SYNOPSIS

```
#include <complex.h>
```

```
double complex csin(double complex z);
```

```
float complex csinf(float complex z);
```

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

Link with -lm.

DESCRIPTION

These functions calculate the complex sine of z.

The complex sine function is defined as:

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

VERSIONS

These functions first appeared in glibc in version 2.1.

ATTRIBUTES

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

??

?Interface ? Attribute ? Value ?

??

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

??

CONFORMING TO

C99, POSIX.1-2001, POSIX.1-2008.

SEE ALSO

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

COLOPHON

This page is part of release 5.05 of the Linux man-pages project. A description of the project, information about reporting bugs, and the latest version of this page, can be found at <https://www.kernel.org/doc/man-pages/>.

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