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:

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

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