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

\$ man csinhl.3

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

NAME

csinh, csinhf, csinhl - complex hyperbolic sine

SYNOPSIS

```
#include <complex.h>

double complex csinh(double complex z);

float complex csinhf(float complex z);

long double complex csinhl(long double complex z);

Link with -lm.
```

DESCRIPTION

These functions calculate the complex hyperbolic sine of z.
The complex hyperbolic sine function is defined as:
$$\operatorname{csinh}(z) = (\exp(z) - \exp(-z)) / 2$$

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 ?
??
?csinh(), csinhf(), csinhl() ? Thread safety ? MT-Safe ?
??

CONFORMING TO

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

SEE ALSO

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

COLOPHON

This page is part of release 5.10 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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