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## ***Red Hat Enterprise Linux Release 9.2 Manual Pages on 'csinh.3p' command***

**\$ man csinh.3p**

CSINH(3P)            POSIX Programmer's Manual            CSINH(3P)

### PROLOG

This manual page is part of the POSIX Programmer's Manual. The Linux implementation of this interface may differ (consult the corresponding Linux manual page for details of Linux behavior), or the interface may not be implemented on Linux.

### NAME

csinh, csinhf, csinh1 ? complex hyperbolic sine functions

### SYNOPSIS

```
#include <complex.h>

double complex csinh(double complex z);

float complex csinhf(float complex z);

long double complex csinh1(long double complex z);
```

### DESCRIPTION

The functionality described on this reference page is aligned with the ISO C standard. Any conflict between the requirements described here and the ISO C standard is unintentional. This volume of POSIX.1?2017 defers to the ISO C standard.

These functions shall compute the complex hyperbolic sine of  $z$ .

### RETURN VALUE

These functions shall return the complex hyperbolic sine value.

### ERRORS

No errors are defined.

The following sections are informative.

#### EXAMPLES

None.

#### APPLICATION USAGE

None.

#### RATIONALE

None.

#### FUTURE DIRECTIONS

None.

#### SEE ALSO

`casinh()`

The Base Definitions volume of POSIX.1-2017, `<complex.h>`

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