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Red Hat Enterprise Linux Release 9.2 Manual Pages on 'asinhl.3' command

$ man asinhl.3

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

NAME

asinh, asinhf, asinhl - inverse hyperbolic sine function

SYNOPSIS

```
#include <math.h>

double asinh(double x);

float asinhf(float x);

long double asinhl(long double x);
```

Link with -lm.

Feature Test Macro Requirements for glibc (see feature_test_macros(7)):

asinh():

_ISOC99_SOURCE || _POSIX_C_SOURCE >= 200112L

|| _XOPEN_SOURCE >= 500

|| /* Since glibc 2.19: */ _DEFAULT_SOURCE

|| /* Glibc versions <= 2.19: */ _BSD_SOURCE || _SVID_SOURCE

asinhf(), asinhl():

_ISOC99_SOURCE || _POSIX_C_SOURCE >= 200112L

|| /* Since glibc 2.19: */ _DEFAULT_SOURCE

|| /* Glibc versions <= 2.19: */ _BSD_SOURCE || _SVID_SOURCE

DESCRIPTION

These functions calculate the inverse hyperbolic sine of x; that is the

value whose hyperbolic sine is x.

RETURN VALUE

On success, these functions return the inverse hyperbolic sine of x.

If x is a NaN, a NaN is returned.

If x is +0 (-0), +0 (-0) is returned.

If x is positive infinity (negative infinity), positive infinity (nega?

tive infinity) is returned.

ERRORS

No errors occur.

ATTRIBUTES

For an explanation of the terms used in this section, see at?

tributes(7).

??

?Interface ? Attribute ? Value ?

??

?asinh(), asinhf(), asinhl() ? Thread safety ? MT-Safe ?

??

CONFORMING TO

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

The variant returning double also conforms to SVr4, 4.3BSD.

SEE ALSO

acosh(3), atanh(3), casinh(3), cosh(3), sinh(3), tanh(3)

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/.