

Full credit is given to the above companies including the Operating System (OS) that this PDF file was generated!

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

\$ man asinhf.3

ASINH(3) Linux Programmer's Manual ASINH(3) NAME asinh, asinhl, 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 hyper?

bolic sine is x.

Page 1/2 **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 (negative infinity) is returned.

ERRORS

No errors occur.

ATTRIBUTES

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

GNU 2017-09-15 ASINH(3)