Red Hat Enterprise Linux Release 9.2 Manual Pages on 'log2.3' command

$ man log2.3

LOG2(3)   Linux Programmer's Manual   LOG2(3)

NAME

    log2, log2f, log2l - base-2 logarithmic function

SYNOPSIS

    #include <math.h>

    double log2(double x);

    float log2f(float x);

    long double log2l(long double x);

    Link with -lm.

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

    log2(), log2f(), log2l():

      _ISOC99_SOURCE || _POSIX_C_SOURCE >= 200112L

DESCRIPTION

    These functions return the base 2 logarithm of x.

RETURN VALUE

    On success, these functions return the base 2 logarithm of x.

    For special cases, including where x is 0, 1, negative, infinity, or

    NaN, see log(3).

ERRORS

    See math_error(7) for information on how to determine whether an error

    has occurred when calling these functions.

    For a discussion of the errors that can occur for these functions, see

    log(3).

VERSIONS

These functions first appeared in glibc in version 2.1.

ATTRIBUTES

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

tributes(7).

???

?Interface   ? Attribute   ? Value   ?

???

?log2(), log2f(), log2l() ? 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

cbrt(3), clog2(3), log(3), log10(3), sqrt(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/.

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