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

C:\>man cbrtl.3

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

NAME

cbrt, cbrtf, cbrtl - cube root function

SYNOPSIS

```
#include <math.h>

double cbrt(double x);

float cbrtf(float x);

long double cbrtl(long double x);
```

Link with -lm.

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

cbrt():

```
_ISOC99_SOURCE || _POSIX_C_SOURCE >= 200112L
    || _XOPEN_SOURCE >= 500
    || /* Since glibc 2.19: */ _DEFAULT_SOURCE
    || /* Glibc versions <= 2.19: */ _BSD_SOURCE || _SVID_SOURCE
```

cbrtf(), cbrtl():

```
_ISOC99_SOURCE || _POSIX_C_SOURCE >= 200112L
    || /* Since glibc 2.19: */ _DEFAULT_SOURCE
    || /* Glibc versions <= 2.19: */ _BSD_SOURCE || _SVID_SOURCE
```

DESCRIPTION

These functions return the (real) cube root of x. This function cannot fail; every representable real value has a representable real cube root.

RETURN VALUE

These functions return the cube root of x.

If x is +0, -0, positive infinity, negative infinity, or NaN, x is returned.

ERRORS

No errors occur.

ATTRIBUTES

For an explanation of the terms used in this section, see attributes(7).

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?Interface ? Attribute ? Value ?

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?cbrt(), cbrtf(), cbrtl() ? Thread safety ? MT-Safe ?

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CONFORMING TO

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

SEE ALSO

pow(3), sqrt(3)

COLOPHON

This page is part of release 5.05 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/.