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

$ man cabs.3

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

NAME

cabs, cabsf, cabsl - absolute value of a complex number

SYNOPSIS

#include <complex.h>

double cabs(double complex z);

float cabsf(float complex z);

long double cabsl(long double complex z);

Link with -lm.

DESCRIPTION

These functions return the absolute value of the complex number z. The

result is a real number.

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).

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?Interface ? Attribute ? Value ?

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?cabs(), cabsf(), cabsl() ? Thread safety ? MT-Safe ?

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CONFORMING TO

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

NOTES

The function is actually an alias for hypot(a, b) (or, equivalently, sqrt(a*a + b*b)).

SEE ALSO

abs(3), cimag(3), hypot(3), complex(7)

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/.