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

\$ man cabsl.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 attributes(7).

```
????????????????????????????????????????????????????????????
?Interface            ? Attribute    ? Value    ?
????????????????????????????????????????????????????????????
?cabs(), cabsf(), cabsl() ? Thread safety ? MT-Safe ?
????????????????????????????????????????????????????????????
```

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/>.

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