



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

C:~>man cabsf.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 5.05 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/>.

2015-04-19

CABS(3)