



Linux Ubuntu 26.04 Manual Pages on command 'cabs.3'

\$ man cabs.3

cabs(3)
Library Functions Manual
cabs(3)

NAME _____

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

LIBRARY

Math library (libm, -lm)

SYNOPSIS

```
#include <complex.h>
```

```
double cabs(double complex z);
```

```
float cabsf(float complex z);
```

```
long double cabsl(long double complex z);
```

DESCRIPTION

These functions return the absolute value of the complex number z . The result is a real number.

ATTRIBUTES

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

[illegible]

Interface	Attribute	Value
?	?	?

[illegible]

? cabs(), cabsf(), cabsl()

[illegible]

STANDARDS

C11, POSIX.1-2008.

HISTORY

glibc 2.1. C99, POSIX.1-2001.

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)`

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`cabs(3)`