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*Rocky Enterprise Linux 9.2 Manual Pages on command 'cpow.3'*

**\$ man cpow.3**

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

**NAME**

**cpow, cpowf, cpowl - complex power function**

## SYNOPSIS

```
#include <complex.h>

double complex cpow(double complex x, complex double z);

float complex cpowf(float complex x, complex float z);

long double complex cpowl(long double complex x,
                           complex long double z);
```

### Link with -Im.

## DESCRIPTION

These functions calculate  $x$  raised to the power  $z$  (with a branch cut for  $x$  along the negative real axis.)

## 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).

???

?Interface ? Attribute ? Value ?

???

?cpow(), cpowf(), cpowl() ? Thread safety ? MT-Safe ?

???

## CONFORMING TO

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

## SEE ALSO

cabs(3), pow(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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CPOW(3)