

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 *-lm*.

DESCRIPTION

The function calculates *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.

CONFORMING TO

C99.

SEE ALSO

[cabs\(3\)](#), [pow\(3\)](#), [complex\(7\)](#)

COLOPHON

This page is part of release 3.74 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 <http://www.kernel.org/doc/man-pages/>.