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
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 attributes(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 4.16 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/.