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 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/.