

NAME

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

SYNOPSIS

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

double complex

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

float complex

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

long double complex

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

DESCRIPTION

The **cpow()**, **cpowf()** and **cpowl()** functions compute the complex number x raised to the complex power z , with a branch cut along the negative real axis for the first argument.

RETURN VALUES

The **cpow()**, **cpowf()** and **cpowl()** functions return the complex number x raised to the complex power z .

SEE ALSO

cexp(3), clog(3)

STANDARDS

The **cpow()**, **cpowf()** and **cpowl()** functions conform to ISO/IEC 9899:1999 ("ISO C99").