

**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").