NAME

conj, conjf, conjl − calculate the complex conjugate

LIBRARY

Math library (*libm*, *−lm*)

SYNOPSIS

#include <complex.h>

double complex conj(double complex *z***);**
float complex conjf(float complex *z***);**
long double complex conjl(long double complex *z***);**

DESCRIPTION

These functions return the complex conjugate value of *z*. That is the value obtained by changing the sign of the imaginary part.

One has:

```
cabs(z) = csqrt(z * conj(z))
```

ATTRIBUTES

For an explanation of the terms used in this section, see **attributes**(7).

Interface	Attribute	Value
conj(), **conjf**(), **conjl**()	Thread safety	MT-Safe

STANDARDS

C11, POSIX.1-2008.

HISTORY

glibc 2.1. C99, POSIX.1-2001.

SEE ALSO

cabs(3), **csqrt**(3), **complex**(7)