

NAME

conj, conjf, conjl – calculate the complex conjugate

SYNOPSIS

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

```
double complex conj(double complex z);
```

```
float complex conjf(float complex z);
```

```
long double complex conjl(long double complex z);
```

Link with `-lm`.

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:

$$\text{cabs}(z) = \text{csqrt}(z * \text{conj}(z))$$

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
conj(), conjf(), conjl()	Thread safety	MT-Safe

CONFORMING TO

C99, POSIX.1-2001, POSIX.1-2008.

SEE ALSO

[cabs\(3\)](#), [csqrt\(3\)](#), [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/>.