

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
<code>conj()</code> , <code>conjf()</code> , <code>conjl()</code>	Thread safety	MT-Safe

CONFORMING TO

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

SEE ALSO

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

COLOPHON

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