NAME

creal, crealf, creall − get real part of a complex number

LIBRARY

Math library (*libm*, *−lm*)

SYNOPSIS

#include <complex.h>

double creal(double complex *z***);**
float crealf(float complex *z***);**
long double creall(long double complex *z***);**

DESCRIPTION

These functions return the real part of the complex number *z*.

One has:

z = creal(z) + I * cimag(z)

VERSIONS

These functions were added in glibc 2.1.

ATTRIBUTES

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

Interface	Attribute	Value
creal(), **crealf**(), **creall**()	Thread safety	MT-Safe

STANDARDS

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

NOTES

The gcc supports also __real__. That is a GNU extension.

SEE ALSO

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