NAME

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

SYNOPSIS

#include <complex.h>

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

Link with *−lm*.

DESCRIPTION

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

One has:

z = creal(z) + I * cimag(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
creal(), **crealf**(), **creall**()	Thread safety	MT-Safe

CONFORMING TO

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)

COLOPHON

This page is part of release 4.16 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/.