NAME

cimag, cimagf, cimagl - get imaginary part of a complex number

SYNOPSIS

#include <complex.h>

double cimag(double complex *z***);**
float cimagf(float complex *z***);**
long double cimagl(long double complex *z***);**

Link with *-lm*.

DESCRIPTION

The **cimag**() function returns the imaginary 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

Multithreading (see pthreads(7))

The **cimag**(), **cimagf**(), and **cimagl**() functions are thread-safe.

CONFORMING TO

C99.

NOTES

gcc also supports __imag__. That is a GNU extension.

SEE ALSO

cabs(3), creal(3), complex(7)

COLOPHON

This page is part of release 3.74 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 http://www.kernel.org/doc/man-pages/.