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

These functions return 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

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

Interface	Attribute	Value
cimag(), **cimagf**(), **cimagl**()	Thread safety	MT-Safe

CONFORMING TO

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

NOTES

gcc also supports __imag__. That is a GNU extension.

SEE ALSO

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

COLOPHON

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