NAME

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

LIBRARY

Math library (*libm*, *−lm*)

SYNOPSIS

#include <complex.h>

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

DESCRIPTION

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

One has:

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

ATTRIBUTES

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

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

VERSIONS

GCC also supports __imag__. That is a GNU extension.

STANDARDS

C11, POSIX.1-2008.

HISTORY

glibc 2.1. C99, POSIX.1-2001.

SEE ALSO

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