



Rocky Enterprise Linux 9.2 Manual Pages on command 'cimag.3'

C:\>man cimag.3

CIMAG(3) Linux Programmer's Manual CIMAG(3)

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:

$$z = \text{creal}(z) + I * \text{cimag}(z)$$

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

This page is part of release 5.05 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/>.

2015-04-19

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