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Red Hat Enterprise Linux Release 9.2 Manual Pages on 'cimag.3p' command

\$ man cimag.3p

CIMAG(3P) POSIX Programmer's Manual CIMAG(3P)

PROLOG

This manual page is part of the POSIX Programmer's Manual. The Linux implementation of this interface may differ (consult the corresponding Linux manual page for details of Linux behavior), or the interface may not be implemented on Linux.

NAME

cimag, cimagf, cimagl ? complex imaginary functions

SYNOPSIS

```
#include <complex.h>

double cimag(double complex z);

float cimagf(float complex z);

long double cimagl(long double complex z);
```

DESCRIPTION

The functionality described on this reference page is aligned with the ISO C standard. Any conflict between the requirements described here and the ISO C standard is unintentional. This volume of POSIX.1?2017 defers to the ISO C standard.

These functions shall compute the imaginary part of z.

RETURN VALUE

These functions shall return the imaginary part value (as a real).

ERRORS

No errors are defined.

The following sections are informative.

EXAMPLES

None.

APPLICATION USAGE

For a variable `z` of complex type:

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

RATIONALE

None.

FUTURE DIRECTIONS

None.

SEE ALSO

`carg()`, `conj()`, `cproj()`, `creal()`

The Base Definitions volume of POSIX.1-2017, `<complex.h>`

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