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

\$ man clog.3p

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

clog, clogf, clogl ? complex natural logarithm functions

SYNOPSIS

```
#include <complex.h>

double complex clog(double complex z);

float complex clogf(float complex z);

long double complex clogl(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 complex natural (base e) logarithm of z, with a branch cut along the negative real axis.

RETURN VALUE

These functions shall return the complex natural logarithm value, in the range of a strip mathematically unbounded along the real axis and

in the interval $[-i?, +i?]$ along the imaginary axis.

ERRORS

No errors are defined.

The following sections are informative.

EXAMPLES

None.

APPLICATION USAGE

None.

RATIONALE

None.

FUTURE DIRECTIONS

None.

SEE ALSO

`cexp()`

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

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