



Rocky Enterprise Linux 9.2 Manual Pages on command 'clog10f.3'

\$ man clog10f.3

CLOG10(3) Linux Programmer's Manual CLOG10(3)

NAME

clog10, clog10f, clog10l - base-10 logarithm of a complex number

SYNOPSIS

```
#define _GNU_SOURCE      /* See feature_test_macros(7) */  
  
#include <complex.h>  
  
double complex clog10(double complex z);  
  
float complex clog10f(float complex z);  
  
long double complex clog10l(long double complex z);  
  
Link with -lm.
```

DESCRIPTION

The call `clog10(z)` is equivalent to:

$\text{clog}(z)/\log(10)$

or equally:

$\log_{10}(\text{cabs}(c)) + I * \text{carg}(c) / \log(10)$

The other functions perform the same task for float and long double.

Note that `z` close to zero will cause an overflow.

VERSIONS

These functions first appeared in glibc in version 2.1.

ATTRIBUTES

For an explanation of the terms used in this section, see at?

tributes(7).

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?Interface ? Attribute ? Value ?

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?clog10(), clog10f(), clog10l() ? Thread safety ? MT-Safe ?

??

CONFORMING TO

These functions are GNU extensions. The identifiers are reserved for

future use in C99 and C11.

SEE ALSO

cabs(3), cexp(3), clog(3), clog2(3), complex(7)

COLOPHON

This page is part of release 5.10 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/>.

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