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:

```
clog(z)/log(10)
```

or equally:

```
log10(cabs(c)) + I * 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 **attributes**(7).

Interface	Attribute	Value
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

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