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Linux Ubuntu 26.04 Manual Pages on command 'ctanhf.3'

$ man ctanhf.3

ctanh(3) Library Functions Manual ctanh(3)

NAME

ctanh, ctanhf, ctanhl - complex hyperbolic tangent

LIBRARY

Math library (libm, -lm)

SYNOPSIS

```
#include <complex.h>

double complex ctanh(double complex z);

float complex ctanhf(float complex z);

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

DESCRIPTION

These functions calculate the complex hyperbolic tangent of z.

The complex hyperbolic tangent function is defined mathematically as:

ctanh(z) = csinh(z) / ccosh(z)

ATTRIBUTES

For an explanation of the terms used in this section, see attributes(7).

```
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? Interface                                    ? Attribute     ? Value   ?
????????????????????????????????????????????????????????????????????????????????????????????????????????????????????????????????????????????
? ctanh(), ctanhf(), ctanhl()                  ? Thread safety ? MT-Safe ?
????????????????????????????????????????????????????????????????????????????????????????????????????????????????????????????????????????????
```

STANDARDS

C11, POSIX.1-2008.

HISTORY

glibc 2.1. C99, POSIX.1-2001.

SEE ALSO

cabs(3), catanh(3), ccosh(3), csinh(3), complex(7)