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

\$ man ctanhl.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 ctanh1(long double complex z);
```

DESCRIPTION

These functions calculate the complex hyperbolic tangent of z .

The complex hyperbolic tangent function is defined mathematically as:

$$\text{ctanh}(z) = \text{csinh}(z) / \text{ccosh}(z)$$

ATTRIBUTES

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

[illegible]

Interface	Attribute	Value
?	?	?

[illegible]

? ctanh(), ctanhf(), ctanhl()	? Thread safety ? MT-Safe ?
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[illegible]

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)

Linux man-pages 6.17

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ctanh(3)