



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

\$ man ctan.3

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

NAME

ctan, ctanf, ctanl - complex tangent function

SYNOPSIS

```
#include <complex.h>
```

```
double complex ctan(double complex z);
```

```
float complex ctanf(float complex z);
```

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

Link with -lm.

DESCRIPTION

These functions calculate the complex tangent of z.

The complex tangent function is defined as:

$$\text{ctan}(z) = \text{csin}(z) / \text{ccos}(z)$$

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 ?

??

?ctan(), ctanf(), ctanl() ? Thread safety ? MT-Safe ?

??

CONFORMING TO

C99, POSIX.1-2001, POSIX.1-2008.

SEE ALSO

cabs(3), catan(3), ccos(3), csin(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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