

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

The complex tangent function is defined as:

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

These functions first appeared in glibc in version 2.1.

CONFORMING TO

C99.

SEE ALSO

[cabs\(3\)](#), [catan\(3\)](#), [ccos\(3\)](#), [csin\(3\)](#), [complex\(7\)](#)

COLOPHON

This page is part of release 3.74 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 <http://www.kernel.org/doc/man-pages/>.