

NAME

tan, **tanf**, **tanl** - tangent functions

LIBRARY

Math Library (libm, -lm)

SYNOPSIS

#include <math.h>

double

tan(*double x*);

float

tanf(*float x*);

long double

tanl(*long double x*);

DESCRIPTION

The **tan**(), **tanf**(), and **tanl**() functions compute the tangent of x (measured in radians). A large magnitude argument may yield a result with little or no significance. For a discussion of error due to roundoff, see [math\(3\)](#).

RETURN VALUES

The **tan**(), **tanf**(), and **tanl**() functions return the tangent value.

SEE ALSO

[acos\(3\)](#), [asin\(3\)](#), [atan\(3\)](#), [atan2\(3\)](#), [cos\(3\)](#), [cosh\(3\)](#), [ctan\(3\)](#), [math\(3\)](#), [sin\(3\)](#), [sinh\(3\)](#), [tanh\(3\)](#)

STANDARDS

These functions conform to ISO/IEC 9899:1999 ("ISO C99").