



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

\$ man cosl.3

cos(3) Library Functions Manual cos(3)

NAME

cos, cosf, cosl - cosine function

LIBRARY

Math library (libm, -lm)

SYNOPSIS

```
#include <math.h>

double cos(double x);

float cosf(float x);

long double cosl(long double x);
```

Feature Test Macro Requirements for glibc (see feature_test_macros(7)):

```
cosf(), cosl():
    _ISOC99_SOURCE || _POSIX_C_SOURCE >= 200112L
    || /* Since glibc 2.19: */ _DEFAULT_SOURCE
    || /* glibc <= 2.19: */ _BSD_SOURCE || _SVID_SOURCE
```

DESCRIPTION

These functions return the cosine of x, where x is given in radians.

RETURN VALUE

On success, these functions return the cosine of x.

If x is a NaN, a NaN is returned.

If x is positive infinity or negative infinity, a domain error occurs, and a NaN is re-

turned.

ERRORS

