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

\$ man cos.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

