NAME

ccos, ccosf, ccosl – complex cosine function

LIBRARY

Math library (*libm*, *−lm*)

SYNOPSIS

#include <complex.h>

double complex ccos(double complex *z***);**
float complex ccosf(float complex *z***);**
long double complex ccosl(long double complex *z***);**

DESCRIPTION

These functions calculate the complex cosine of *z*.

The complex cosine function is defined as:

```
ccos(z) = (exp(i * z) + exp(-i * z)) / 2
```

VERSIONS

These functions were added in glibc 2.1.

ATTRIBUTES

For an explanation of the terms used in this section, see **attributes**(7).

Interface	Attribute	Value
ccos(), **ccosf**(), **ccosl**()	Thread safety	MT-Safe

STANDARDS

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

SEE ALSO

cabs(3), **cacos**(3), **csin**(3), **ctan**(3), **complex**(7)