



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

\$ man csqrtf.3

csqrt(3) Library Functions Manual csqrt(3)

NAME

csqrt, csqrtf, csqrtl - complex square root

LIBRARY

Math library (libm, -lm)

SYNOPSIS

```
#include <complex.h>

double complex csqrt(double complex z);

float complex csqrtf(float complex z);

long double complex csqrtl(long double complex z);
```

DESCRIPTION

These functions calculate the complex square root of z, with a branch cut along the negative real axis. (That means that csqrt(-1+eps*I) will be close to I while csqrt(-1-eps*I) will be close to -I, if eps is a small positive real number.)

ATTRIBUTES

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

Interface	Attribute	Value
csqrt(), csqrtf(), csqrtl()	Thread safety	MT-Safe

STANDARDS

C11, POSIX.1-2008.

HISTORY

glibc 2.1. C99, POSIX.1-2001.

SEE ALSO

cabs(3), cexp(3), complex(7)

Linux man-pages 6.17

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csqrt(3)