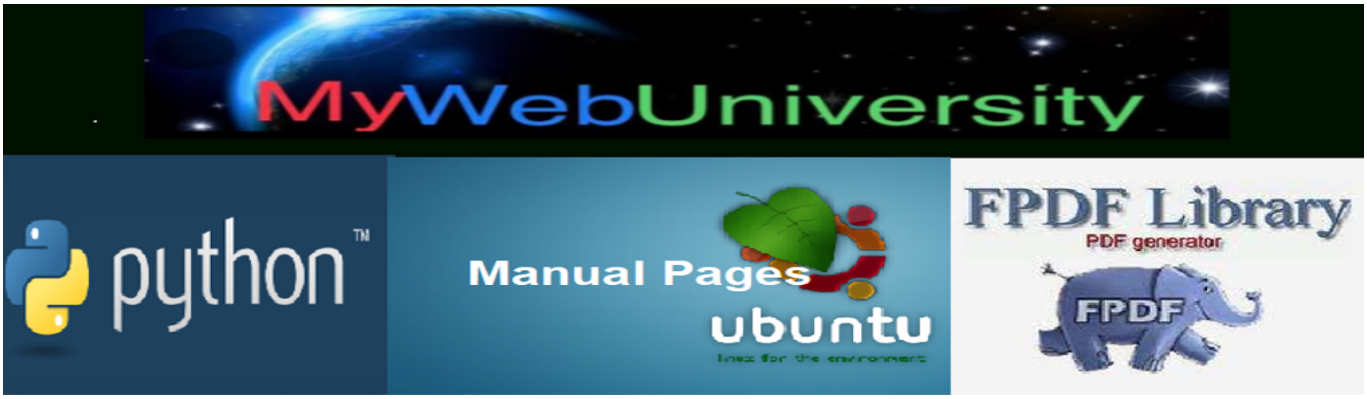

Rocky Enterprise Linux 9.2 Manual Pages on command 'csqrt.3'

$ man csqrt.3

CSQRT(3) Linux Programmer's Manual CSQRT(3)

NAME

csqrt, csqrtf, csqrtl - complex square root

SYNOPSIS

```
#include <complex.h>

double complex csqrt(double complex z);

float complex csqrtf(float complex z);

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

Link with -lm.

DESCRIPTION

These functions calculate the complex square root of z, with a branch cut along the nega?
tive 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.)

VERSIONS

These functions first appeared in glibc in version 2.1.

ATTRIBUTES

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

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

CONFORMING TO

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

SEE ALSO

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

COLOPHON

This page is part of release 5.10 of the Linux man-pages project. A description of the project, information about reporting bugs, and the latest version of this page, can be found at https://www.kernel.org/doc/man-pages/.