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## ***Red Hat Enterprise Linux Release 9.2 Manual Pages on 'carg.3p' command***

***\$ man carg.3p***

CARG(3P)                    POSIX Programmer's Manual                    CARG(3P)

### PROLOG

This manual page is part of the POSIX Programmer's Manual. The Linux implementation of this interface may differ (consult the corresponding Linux manual page for details of Linux behavior), or the interface may not be implemented on Linux.

### NAME

carg, cargf, cargl ? complex argument functions

### SYNOPSIS

```
#include <complex.h>

double carg(double complex z);

float cargf(float complex z);

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

### DESCRIPTION

The functionality described on this reference page is aligned with the ISO C standard. Any conflict between the requirements described here and the ISO C standard is unintentional. This volume of POSIX.1?2017 defers to the ISO C standard.

These functions shall compute the argument (also called phase angle) of  $z$ , with a branch cut along the negative real axis.

### RETURN VALUE

These functions shall return the value of the argument in the interval  $[-\pi, +\pi]$ .

## ERRORS

No errors are defined.

The following sections are informative.

## EXAMPLES

None.

## APPLICATION USAGE

None.

## RATIONALE

None.

## FUTURE DIRECTIONS

None.

## SEE ALSO

`cimag()`, `conj()`, `cproj()`

The Base Definitions volume of POSIX.1-2017, `<complex.h>`

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