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Red Hat Enterprise Linux Release 9.2 Manual Pages on 'copysign.3p' command

\$ man copysign.3p

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

copysign, copysignf, copysignl ? number manipulation function

SYNOPSIS

```
#include <math.h>

double copysign(double x, double y);

float copysignf(float x, float y);

long double copysignl(long double x, long double y);
```

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 produce a value with the magnitude of x and the sign of y. On implementations that represent a signed zero but do not treat negative zero consistently in arithmetic operations, these functions regard the sign of zero as positive.

RETURN VALUE

Upon successful completion, these functions shall return a value with the magnitude of x and the sign of y .

ERRORS

No errors are defined.

The following sections are informative.

EXAMPLES

None.

APPLICATION USAGE

None.

RATIONALE

None.

FUTURE DIRECTIONS

None.

SEE ALSO

`signbit()`

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

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