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

$ man imaxdiv.3p

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

imaxdiv ? return quotient and remainder

SYNOPSIS

```
#include <inttypes.h>

imaxdiv_t imaxdiv(intmax_t numer, intmax_t denom);
```

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.

The imaxdiv() function shall compute numer / denom and numer % denom in a single operation.

RETURN VALUE

The imaxdiv() function shall return a structure of type imaxdiv_t, com? prising both the quotient and the remainder. The structure shall con? tain (in either order) the members quot (the quotient) and rem (the re? mainder), each of which has type intmax_t.

If either part of the result cannot be represented, the behavior is un?
defined.

ERRORS

No errors are defined.

The following sections are informative.

EXAMPLES

None.

APPLICATION USAGE

None.

RATIONALE

None.

FUTURE DIRECTIONS

None.

SEE ALSO

imaxabs()

The Base Definitions volume of POSIX.1?2017, <inttypes.h>

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