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Rocky Enterprise Linux 9.2 Manual Pages on command 'exp10f.3'

\$ man exp10f.3

EXP10(3) Linux Programmer's Manual EXP10(3)

NAME

exp10, exp10f, exp10l - base-10 exponential function

SYNOPSIS

```
#define _GNU_SOURCE       /* See feature_test_macros(7) */
```

```
#include <math.h>
```

```
double exp10(double x);
```

```
float exp10f(float x);
```

```
long double exp10l(long double x);
```

Link with -lm.

DESCRIPTION

These functions return the value of 10 raised to the power of x.

RETURN VALUE

On success, these functions return the base-10 exponential value of x.

For various special cases, including the handling of infinity and NaN, as well as overflows and underflows, see exp(3).

ERRORS

See math_error(7) for information on how to determine whether an error

has occurred when calling these functions.

For a discussion of the errors that can occur for these functions, see [exp\(3\)](#).

VERSIONS

These functions first appeared in glibc in version 2.1.

ATTRIBUTES

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

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?Interface ? Attribute ? Value ?

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?exp10(), exp10f(), exp10l() ? Thread safety ? MT-Safe ?

??

CONFORMING TO

These functions are GNU extensions.

BUGS

Prior to version 2.19, the glibc implementation of these functions did not set `errno` to `ERANGE` when an underflow error occurred.

SEE ALSO

[cbrt\(3\)](#), [exp\(3\)](#), [exp2\(3\)](#), [log10\(3\)](#), [sqrt\(3\)](#)

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/>.