



Linux Ubuntu 26.04 Manual Pages on command 'exp10l.3'

\$ man exp10l.3

exp10(3) Library Functions Manual exp10(3)

NAME

exp10, exp10f, exp10l - base-10 exponential function

LIBRARY

Math library (libm, -lm)

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);
```

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).

ATTRIBUTES

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

[illegible]

?	Interface	?	Attribute	?	Value	?
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[illegible]

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

STANDARDS

GNU.

HISTORY

glibc 2.1.

BUGS

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

SEE ALSO

cbirt(3), exp(3), exp2(3), log10(3), sqrt(3)

Linux man-pages 6.17

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