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).

Interface	Attribute	Value
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

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