



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

\$ man scalb.3

scalb(3) Library Functions Manual scalb(3)

NAME

scalb, scalbf, scalbl - scale by an integer power of radix (OBSOLETE)

LIBRARY

Math library (libm, -lm)

SYNOPSIS

```
#include <math.h>

[[deprecated]] double scalb(double x, double e);

[[deprecated]] float scalbf(float x, float e);

[[deprecated]] long double scalbl(long double x, long double e);
```

Feature Test Macro Requirements for glibc (see feature_test_macros(7)):

```
scalb():

_XOPEN_SOURCE >= 500

|| /* Since glibc 2.19: */ _DEFAULT_SOURCE

|| /* glibc <= 2.19: */ _BSD_SOURCE || _SVID_SOURCE
```

```
scalbf(), scalbl():

_XOPEN_SOURCE >= 600

|| /* Since glibc 2.19: */ _DEFAULT_SOURCE

|| /* glibc <= 2.19: */ _BSD_SOURCE || _SVID_SOURCE
```

DESCRIPTION

These functions multiply their first argument x by FLT_RADIX (probably 2) to the power of e , that is:

$x * \text{FLT_RADIX}^{**e}$

STANDARDS

HISTORY

4.3BSD. Obsolescent in POSIX.1-2001; Removed in POSIX.1-2008, recommending the use of `scalbln(3)`, `scalblnf(3)`, or `scalblnl(3)` instead.

Before glibc 2.20, these functions did not set `errno` for domain and range errors.

SEE ALSO

ldexp(3), scalbln(3)

Linux man-pages 6.17

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