



***Linux Ubuntu 26.04 Manual Pages on command 'significandl.3'***

**\$ man significandl.3**

significand(3)

Library Functions Manual

significand(3)

NAME \_\_\_\_\_

significand, significandf, significandl - get mantissa of floating-point number

LIBRARY

Math library (libm, -lm)

## SYNOPSIS

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

```
double significand(double x);
```

```
float significandf(float x);
```

```
long double significandl(long double x);
```

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

significand(), significandf(), significandl():

```
/* Since glibc 2.19: */  DEFAULT_SOURCE
```

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

DESCRIPTION

These functions return the mantissa of  $x$  scaled to the range  $[1, \text{FLT\_RADIX})$ . They are equivalent to

`scalb(x, (double) -ilogb(x))`

This function exists mainly for use in certain standardized tests for IEEE 754 conformance.

## ATTRIBUTES

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

[illegible]

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## ? Interface

? Attribute    ? Value    ?

[illegible]

|                                                 |                             |
|-------------------------------------------------|-----------------------------|
| ? significand(), significandf(), significandl() | ? Thread safety ? MT-Safe ? |
|-------------------------------------------------|-----------------------------|

[illegible]

## STANDARDS

None.

significand()

BSD.

## HISTORY

significand()

BSD.

SEE ALSO

ilogb(3), scalb(3)

Linux man-pages 6.17

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significand(3)