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

\$ man significand.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\(7\)](#).

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?	Interface	?	Attribute	?	Value	?
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[illegible]

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