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Red Hat Enterprise Linux Release 9.2 Manual Pages on 'isnan.3' command

\$ man isnan.3

FPCLASSIFY(3) Linux Programmer's Manual FPCLASSIFY(3)

NAME

fpclassify, isfinite, isnormal, isnan, isinf - floating-point classification macros

SYNOPSIS

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

```
int fpclassify(x);
```

```
int isfinite(x);
```

```
int isnormal(x);
```

```
int isnan(x);
```

```
int isinf(x);
```

Link with -lm.

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

fpclassify(), isfinite(), isnormal():

```
_ISOC99_SOURCE || _POSIX_C_SOURCE >= 200112L
```

isnan():

```
_ISOC99_SOURCE || _POSIX_C_SOURCE >= 200112L
```

```
|| _XOPEN_SOURCE
```

```
|| /* Since glibc 2.19: */ _DEFAULT_SOURCE
```

```
|| /* Glibc versions <= 2.19: */ _BSD_SOURCE || _SVID_SOURCE
```

isinf():

```
_ISOC99_SOURCE || _POSIX_C_SOURCE >= 200112L
```

```
|| /* Since glibc 2.19: */ _DEFAULT_SOURCE
```


In glibc 2.01 and earlier, `isinf()` returns a nonzero value (actually:

1) if `x` is positive infinity or negative infinity. (This is all that C99 requires.)

SEE ALSO

`finite(3)`, `INFINITY(3)`, `isgreater(3)`, `signbit(3)`

COLOPHON

This page is part of release 5.10 of the Linux man-pages project. A description of the project, information about reporting bugs, and the latest version of this page, can be found at <https://www.kernel.org/doc/man-pages/>.

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