



## ***Red Hat Enterprise Linux Release 9.2 Manual Pages on 'gamma.3' command***

**\$ man gamma.3**

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

### NAME

gamma, gammaf, gammal - (logarithm of the) gamma function

### SYNOPSIS

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

```
double gamma(double x);
```

```
float gammaf(float x);
```

```
long double gammal(long double x);
```

Link with -lm.

Feature Test Macro Requirements for glibc (see feature\_test\_macros(7)):

gamma():

```
  _XOPEN_SOURCE
```

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

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

gammaf(), gammal():

```
  _XOPEN_SOURCE >= 600 || (_XOPEN_SOURCE && _ISOC99_SOURCE)
```

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

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

### DESCRIPTION

These functions are deprecated: instead, use either the tgamma(3) or the lgamma(3) functions, as appropriate.

For the definition of the Gamma function, see tgamma(3).

\*BSD version



## 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/>.

GNU

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