Package 'logOfGamma'

October 13, 2022

Title Natural Logarithms of the Gamma Function for Large Values

Description Uses approximations to compute the natural logarithm of the Gamma function for large values.

Version 0.0.1

Author Phillip Labuschagne <philliplab@gmail.com>

Maintainer Phillip Labuschagne <philliplab@gmail.com>

Suggests testthat

License GPL-3

RoxygenNote 5.0.1

NeedsCompilation no

Repository CRAN

Date/Publication 2017-06-02 06:26:03 UTC

R topics documented:

`gammaln` *Computes the natural logarithm of the gamma function.*

Description

For values larger than 12, an approximation is used.

Usage

```
gammaln(x)
```

Arguments

x	A numeric vector of positive numbers.

Examples

```
gammaln(5)
gammaln(50)
```

`gammaln_internal` *Computes the natural logarithm of the gamma function for values larger than 12.*

Description

Uses the approximation in Hart et al, Computer Approximations 1968.

Usage

```
gammaln_internal(x)
```

Arguments

x	A numeric value of length 1 greater than 12

Examples

```
gammaln_internal(50)
```

Index