

Package ‘logOfGamma’

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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.

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Suggests testthat

License GPL-3

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| gammaLn | <i>Computes the natural logarithm of the gamma function.</i> |
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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)
```

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