

Package: logOfGamma (via r-universe)

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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

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Repository <https://philliplab.r-universe.dev>

RemoteUrl <https://github.com/philliplab/logofgamma>

RemoteRef HEAD

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Contents

gammaLn	1
gammaLn_internal	2

Index	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)
```

Index

`gamma1n`, 1

`gamma1n_internal`, 2