Package 'SyncRNG'

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Title A Synchronized Tausworthe RNG for R and Python

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Depends R (>= 3.0.0)

Description Generate the same random numbers in R and Python.

License GPL-2

Imports methods

Suggests testthat

Encoding UTF-8

RoxygenNote 7.3.1

NeedsCompilation yes

Repository CRAN

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`SyncRNG-class` *A Reference Class for SyncRNG*

Description

See syncrng-package for package documentation.

Fields

`seed` The seed for the random number generator

`state` The current state of the RNG, should not be modified by the user

Methods

`initialize(..., seed = 0)` Initialize the RNG using the C function R_syncrng_seed

`rand()` Generate a single random float in the range [0, 1)

`randbelow(n)` Generate a random integer below a given number

`randi()` Generate a single random 32-bit integer

`shuffle(x)` Randomly shuffle a provided array of values

Examples

```
s <- SyncRNG(seed=123456)
for (i in 1:10)
  cat(s$randi(), '\n')
```

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