Package 'circumstance'

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Type Package

Title pomp parallelized

Version 0.0.0.0

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Description Helper functions for parallelizing pomp computations.

URL https://kingaa.github.io/circumstance/

Depends R(>= 3.5.0), methods, pomp2, foreach

Suggests doParallel, doRNG

Remotes kingaa/pomp

License GPL-3

LazyData true

BugReports https://github.com/kingaa/circumstance/issues/

Contact kingaa at umich dot edu

Encoding UTF-8

RoxygenNote 6.1.1

Collate 'circumstance-package.R'
  'pfilter.R'

R topics documented:

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circumstance-package   *circumstance package*

Description

The **circumstance** package

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pfilter   *Parallel particle filter computations*

Description

Runs multiple instances of pfilter using foreach.

Usage

```
## S4 method for signature 'numeric'
pfilter(Nrep, ...)
```

Arguments

Nrep	number of replicate particle filter computations to run.
...	all additional arguments are passed to pomp2::pfilter

See Also

pomp2::pfilter.

Examples

```
options(digits=3)

set.seed(789744859)

library(circumstance)
library(doParallel)
library(doRNG)

registerDoParallel()
registerDoRNG(789744859)

ou2() -> ou2
pfilter(ou2,Np=1000,Nrep=10) -> pfs
logmeanexp(logLik(pfs),se=TRUE)

registerDoSEQ()
```

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