

Package ‘circumstance’

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circumstance-package	<i>circumstance package</i>
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Description

circumstance provides tools for parallelizing certain **pomp** calculations.

pfilter	<i>Parallel particle filter computations</i>
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Description

Runs multiple instances of pfilter using foreach.

Usage

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

## S4 method for signature 'ANY,missing'
pfilter(data, Nrep, ...)

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

## S4 method for signature 'pomplList,missing'
pfilter(data, Nrep, ...)
```

Arguments

<code>data</code>	passed to <code>pomp::pfilter</code>
<code>Nrep</code>	number of replicate particle filter computations to run. By default, <code>Nrep = 1</code> .
<code>...</code>	all additional arguments are passed to <code>pomp::pfilter</code>

See Also

`pomp::pfilter`.

Examples

```
library(circumstance)
library(doFuture)
library(doRNG)
registerDoFuture()
registerDoRNG()

ou2() -> ou2

plan(sequential)
system.time(ou2 |> pfilter(Np=10000,Nrep=6) -> pfs)

plan(multicore)
system.time(ou2 |> pfilter(Np=10000,Nrep=6) -> pfs)
```

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