

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.

continue	<i>Continue an iterative calculation</i>
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Description

Continue an iterative computation where it left off.

Usage

```
continue(object, ...)  
  
## S4 method for signature 'mif2List'  
continue(object, ...)
```

Arguments

object the result of an iterative **pomp** computation

... additional arguments will be passed to the underlying method. This allows one to modify parameters used in the original computations.

See Also

[mif2](#)

mif2	<i>Parallel iterated filtering</i>
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Description

Runs multiple instances of mif2 using foreach.

Usage

```
## S4 method for signature 'ANY,data.frame'
mif2(data, starts, ...)

## S4 method for signature 'ANY,missing'
mif2(data, starts, ...)

## S4 method for signature 'pompList,missing'
mif2(data, starts, ...)

## S4 method for signature 'pfilterList,missing'
mif2(data, starts, ...)

## S4 method for signature 'mif2List,missing'
mif2(data, starts, ...)
```

Arguments

data passed to [pomp::mif2](#)

starts data frame containing parameters at which to begin iterated filtering

... all additional arguments are passed to [pomp::mif2](#)

See Also

[pomp::mif2.](#)

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

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