Package ‘awsMethods’

October 12, 2022

Version 1.1-1

Date 2019-05-07

Title Class and Methods Definitions for Packages ‘aws’, ‘adimpro’, ‘fmri’, ‘dwi’

Depends R (>= 3.2.0), methods

Description Defines the method extract and provides 'openMP' support as needed in several packages.

License GPL (>= 2)

Copyright This package is Copyright (C) 2012-18 Weierstrass Institute for Applied Analysis and Stochastics.

URL http://www.wias-berlin.de/software/imaging/

NeedsCompilation yes

Author Joerg Polzehl [aut, cre],
Felix Anker [ctb]

Maintainer Joerg Polzehl <joerg.polzehl@wias-berlin.de>

Repository CRAN

Date/Publication 2019-05-08 15:40:03 UTC

R topics documented:

extract-methods ............................................................. 2
risk-methods .................................................................. 2
setCores ................................................................. 2

Index 4
extract-methods

Description

Provides generic function `extract` currently used in packages `aws` and `dti`.

Methods

Method `extract` is used to extract information from objects defined in packages `aws` and `dti`. Here only the generic function is defined. The method usually takes an argument `what='vector of characters'` defining which information is needed and returns a list with component names corresponding to the entries in `what`.

```
signature(x = "ANY")
```

risk-methods

Description

Provides generic function `risk` currently used in package `aws`.

Methods

Defines a method used in package `aws` to evaluate the quality of smoothing results. See help in package `aws` for details.

```
signature(y = "ANY")
```

setCores

Description

The function sets the number of cores used in openMP parallelization in part of the Fortran code.

Usage

`setCores(n, reprt = TRUE)`

Arguments

- `n`: number of cores to use. If `n` is missing the actual number of cores in use is returned.
- `reprt`: Logical, is `reprt==TRUE` the number of cores in use is reported.
setCores

Details
The number of cores is restricted to integers between 1 (default) and the number of available cores.

Value
The function returns the number of cores in use.

Note
This function is a slightly modified version of function setCores in package spMC version 0.2.2 written by Luca Sartore <drwolf85@gmail.com>

Author(s)
Felix Anker (anker@wias-berlin.de)

Examples
```r
## Report number of cores available and in use
setCores()
## Set number of cores used in openMP to minimum of
## 12 and number of available cores
setCores(12)
```
Index

* **environment**
  setCores, 2

* **methods**
  extract-methods, 2
  risk-methods, 2

* **sysdata**
  setCores, 2

extract (extract-methods), 2
extract, ANY-method (extract-methods), 2
extract-methods, 2

risk (risk-methods), 2
risk, ANY-method (risk-methods), 2
risk-methods, 2

setCores, 2