

Package ‘awsMethods’

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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.

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

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

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

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extract-methods	<i>Generic function extract</i>
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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	<i>Generic function risk</i>

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	<i>Set the number of cores to use for openMP.</i>

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.

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

```
## 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)
```

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