

# Package ‘OpenMPController’

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**Title** Control Number of OpenMP Threads Dynamically

**Description** The OpenMPController package provides a function `omp_set_num_threads()` to set the number of OpenMP threads to be used.

This may be useful, for example, when linking against a vendor optimised BLAS/LAPACK library (e.g. the AMD Core Math Library), since the defaults used by those libraries may not be highly performant.

**License** GPL-2

**NeedsCompilation** yes

**Depends** R (>= 3.4.1)

**Repository** CRAN

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`omp_set_num_threads`    *Set number of OpenMP threads*

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## Description

Sets the number of OpenMP threads to be used. This may be useful, for example, when linking against a vendor optimised BLAS/LAPACK library (e.g. the AMD Core Math Library), since the defaults used by those libraries may not be highly performant.

**Usage**

```
omp_set_num_threads(n)
```

**Arguments**

n                    Integer, number of threads

**Author(s)**

The R interface was written by Simon Guest.

**Examples**

```
omp_set_num_threads(2)

# do something requiring 2 OMP threads

omp_set_num_threads(4)

# do something else requiring 4 OMP threads
```

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