# Package 'RhpcBLASctl'

February 11, 2023
Version 0.23-42
<b>Date</b> 2023-02-11
Title Control the Number of Threads on 'BLAS'
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Description Control the number of threads on 'BLAS' (Aka 'GotoBLAS', 'Open-BLAS', 'ACML', 'BLIS' and 'MKL').  And possible to control the number of threads in 'OpenMP'.  Get a number of logical cores and physical cores if feasible.
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URL https://prs.ism.ac.jp/~nakama/Rhpc/ ByteCompile true NeedsCompilation yes Repository CRAN Date/Publication 2023-02-11 01:00:02 UTC
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RhpcBLASctl-package Control the number of threads on BLAS
Description
Control the number of threads on 'BLAS' (Aka 'GotoBLAS', 'ACML' and 'MKL').
If you build R directly on Windows and the BLAS file name is not 'Rblas.dll', you can give it as 'options ("RhpcBLASctl.win.Rblas.name" = "boofoo.dll")'.

and BLAS thread is used with OpenMP, this package will not work...XD

openmp-related functions only work at build-time instructions. Omp\_get \* now returns NA\_Integer if R was not built with openmp instructions. NOTE: if R itself is built without OpenMP instructions

#### Usage

```
get_num_cores()
get_num_procs()
blas_get_num_procs()
blas_set_num_threads(threads)
omp_get_num_procs()
omp_get_max_threads()
omp_set_num_threads(threads)
```

## Arguments

threads

Number of threads

#### **Details**

```
https://prs.ism.ac.jp/~nakama/Rhpc/
```

if unknown

#### Value

omp\_get\_max\_threads

Result from OpenMP's omp\_get\_max\_threads function. NOTE Returns NA\_integer\_

## Author(s)

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#### **Examples**

```
get_num_cores()
get_num_procs()
blas_get_num_procs()
blas_set_num_threads(2)
omp_get_num_procs()
omp_get_max_threads()
omp_set_num_threads(2)
```

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