

Package ‘RhpcBLASctl’

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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 <http://prs.ism.ac.jp/~nakama/Rhpc/>

ByteCompile true

NeedsCompilation yes

Repository CRAN

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R topics documented:

RhpcBLASctl-package 1

Index 3

RhpcBLASctl-package *Control the number of threads on BLAS*

Description

Control the number of threads on 'BLAS' (Aka 'GotoBLAS', 'ACML' and 'MKL'). – 'Goto-BLAS(generic)' binary for Windows i386 <http://prs.ism.ac.jp/~nakama/SurviveGotoBLAS2/binary/windows/x86/KATMAI/>
'GotoBLAS(generic)' binary for Windows x64 <http://prs.ism.ac.jp/~nakama/SurviveGotoBLAS2/binary/windows/x64/PRES>

`get_num_cores` is number of physical cores returned, when feasible. `get_num_procs` is number of logical processor returned.

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")'.

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

<code>threads</code>	Number of threads
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Details

<http://prs.ism.ac.jp/~nakama/Rhpc>

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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)
```

Index

*Topic **utilities**

RhpcBLASctl-package, [1](#)

blas_get_num_procs
(RhpcBLASctl-package), [1](#)

blas_set_num_threads
(RhpcBLASctl-package), [1](#)

get_num_cores (RhpcBLASctl-package), [1](#)

get_num_procs (RhpcBLASctl-package), [1](#)

omp_get_max_threads
(RhpcBLASctl-package), [1](#)

omp_get_num_procs
(RhpcBLASctl-package), [1](#)

omp_set_num_threads
(RhpcBLASctl-package), [1](#)

RhpcBLASctl-package, [1](#)