

Package: RcppThread (via r-universe)

June 12, 2026

Title R-Friendly Threading in C++

Version 2.4.0

Description Provides a C++11-style thread class and thread pool that can safely be interrupted from R. See Nagler (2021) [<doi:10.18637/jss.v097.c01>](https://doi.org/10.18637/jss.v097.c01).

Depends R (>= 3.3.0)

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Encoding UTF-8

URL <https://github.com/tnagler/RcppThread>

BugReports <https://github.com/tnagler/RcppThread/issues>

Suggests testthat, R.rsp, Rcpp

VignetteBuilder R.rsp

Config/roxygen2/version 8.0.0

NeedsCompilation yes

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Repository <https://cran.r-universe.dev>

Date/Publication 2026-06-11 23:30:13 UTC

RemoteUrl <https://github.com/cran/RcppThread>

RemoteRef HEAD

RemoteSha 0459d4ef6ee8429db949421cf623d9b5592764d8

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| | |
|-------------|---------------------------------------|
| detectCores | <i>Detect the Number of CPU Cores</i> |
|-------------|---------------------------------------|

Description

Detects the number of (logical) CPU cores.

Usage

```
detectCores()
```

| | |
|---------|---|
| LdFlags | <i>Get portable linker flags for libraries building on RcppThread</i> |
|---------|---|

Description

To be used in Makevars on Linux and OSX. Returns a string with linker flags for pthread and libatomic, if available.

Usage

```
LdFlags()
```

Details

Use as 'PKG_LIBS = \$(R_HOME)/bin/Rscript -e 'RcppThread::LdFlags()'

| | |
|------------|---------------------------------|
| RcppThread | <i>R-friendly C++11 threads</i> |
|------------|---------------------------------|

Description

Provides a C++11-style thread class and thread pool that can safely be interrupted from R.

Author(s)

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Authors:

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References

Nagler, T. (2021). "R-Friendly Multi-Threading in C++." *Journal of Statistical Software, Code Snippets*, 97(1), 1-18. doi:10.18637/jss.v097.c01.

See Also

Useful links:

- <https://github.com/tnagler/RcppThread>
- Report bugs at <https://github.com/tnagler/RcppThread/issues>

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