Package 'RcppCGAL'

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Type Package

Title Rcpp Integration for CGAL

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Description Creates a header only package to link to the CGAL
(Computational Geometry Algorithms Library)
header files in Rcpp. There are a variety of potential uses for
the software such as Hilbert sorting, KDtree nearest neighbors,
and convex hull algorithms. There is only one R function in this
package, which returns the current version of the CGAL library
included. For more information about how to use the header files,
see the CGAL documentation at <https://www.cgal.org>. Currently
includes the CGAL 5.4 stable release.

License GPL (>= 3)

Imports utils, Rcpp

BugReports https://github.com/ericdunipace/RcppCGAL/issues

NeedsCompilation no

RoxygenNote 7.1.1

Repository CRAN

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R topics documented:

RcppCGAL-package *RcppCGAL: Rcpp Integration for CGAL*

Description

Creates a header only package to link to the CGAL (Computational Geometry Algorithms Library) header files in Rcpp. There are a variety of potential uses for the software such as Hilbert sorting, KDtree nearest neighbors, and convex hull algorithms. There is only one R function in this package, which returns the current version of the CGAL library included. For more information about how to use the header files, see the CGAL documentation at <https://www.cgal.org>. Currently includes the CGAL 5.4 stable release.

Author(s)

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References

The CGAL Project. (2022). CGAL User and Reference Manual (5.4). Retrieved from <https://doc.cgal.org/5.4/Manual/packa

See Also

Useful links:

- Report bugs at https://github.com/ericdunipace/RcppCGAL/issues

Examples

```
## Not run:
# To use this in a C++ file make sure you add an appropriate
# dependency in your header C++ code. Make sure to use CGAL/basic.h

#include <Rcpp.h>
// [[Rcpp::depends(RcppCGAL)]]
#include <CGAL/basic.h>

// function code


## End(Not run)
```

`cgal_version` *Return CGAL version*

Description

Return CGAL version

Usage

```
cgal_version()
```

Value

prints the CGAL version of the package

Index