Package ‘RcppCGAL’

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Type Package
Title Rcpp Integration for CGAL
Version 5.3.1.1
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Author Eric Dunipace
Maintainer Eric Dunipace <edunipace@mail.harvard.edu>
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 5.3.1 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:

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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 5.3.1 stable release.

References


See Also

Useful links:

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

Examples

```r
## 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
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