Package 'cxhull'

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Type Package

Title Convex Hull

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Description Computes the convex hull in arbitrary dimension, based on the Qhull library (<http://www.qhull.org>). The package provides a complete description of the convex hull: edges, ridges, facets, adjacencies. Triangulation is optional.

License GPL-3

Encoding UTF-8

LazyData true

URL https://github.com/stla/cxhull

BugReports https://github.com/stla/cxhull/issues

RoxygenNote 6.1.1

NeedsCompilation yes

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R topics documented:

cxhull *Convex hull*

Description

Computes the convex hull of a set of points.

Usage

```
cxhull(points, triangulate = FALSE)
```

Arguments

points	numeric matrix, one point per row
triangulate	logical, whether to triangulate the convex hull

Value

A list.

Examples

```
points <- rbind(
 c(0.5,0.5,0.5),
 c(0,0,0),
 c(0,0,1),
 c(0,1,0),
 c(0,1,1),
 c(1,0,0),
 c(1,0,1),
 c(1,1,0),
 c(1,1,1)
)
cxhull(points)
```

Index