Package: RcppNLoptExample (via r-universe)

Type Package

Title 'Rcpp' Package Illustrating Header-Only Access to 'NLopt'

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Description An example package which shows use of 'NLopt' functionality from C++ via 'Rcpp' without requiring linking, and relying just on 'nloptr' thanks to the exporting API added there by Jelmer Ypma. This package is a fully functioning, updated, and expanded version of the initial example by Julien Chiquet at <https://github.com/jchiquet/RcppArmadilloNLoptExample> also containing a large earlier pull request of mine.

License GPL (>= 2)

Encoding UTF-8

LinkingTo Rcpp, nloptr (>= 1.2.0)

Imports Rcpp, nloptr (>= 1.2.0)

Depends R (>= 3.0.2)

RoxygenNote 6.0.1

URL https://github.com/eddelbuettel/rcppnloptexample,
https://dirk.eddelbuettel.com/code/rcpp.nloptexample.html

BugReports https://github.com/eddelbuettel/rcppnloptexample/issues

Repository https://eddelbuettel.r-universe.dev

RemoteUrl https://github.com/eddelbuettel/rcppnloptexample

RemoteRef HEAD

RemoteSha ea78af9c7ceb6de1697b5bbd92bcb19c8e834843

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testConstrainedProblem

NLopt Call Example from Rcpp

Description

A simple example for for NLopt integration for Rcpp, using an example from the NLopt tutorial.

Usage

```
testConstrainedProblem(method = "MMA", verbose = FALSE)
```

Arguments

method   A string defaulting to 'MMA' (also allowing 'COBYLA') which selects the algorithm use.

verbose   A boolean toggle defaulting to 'false'

Value

A numeric vector with two elements

See Also

<https://nlopt.readthedocs.io/en/latest/NLopt_Tutorial/>

Examples

```
testConstrainedProblem("MMA", TRUE)
```

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