

Package ‘RcppNLOptExample’

October 12, 2022

Type Package

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

Version 0.0.1

Date 2018-10-01

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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

NeedsCompilation yes

Repository CRAN

Date/Publication 2018-10-12 13:40:02 UTC

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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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