

Package ‘RcppStreams’

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Type Package

Title 'Rcpp' Integration of the 'Streamulus' 'DSEL' for Stream Processing

Version 0.1.4

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Description The 'Streamulus' (template, header-only) library by Irit Katriel (at <<https://github.com/iritkatriel/streamulus>>) provides a very powerful yet convenient framework for stream processing. This package connects 'Streamulus' to R by providing both the header files and all examples.

URL <http://dirk.eddelbuettel.com/code/rcpp.streams.html>

BugReports <https://github.com/eddelbuettel/rcppstreams/issues>

License GPL (>= 3)

Depends R (>= 3.0.0)

Imports Rcpp

LinkingTo Rcpp, BH

RoxygenNote 6.0.1

NeedsCompilation yes

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Repository CRAN

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commonSubexpressions *Common 'greeting' carried across several expressions*

Description

This is an example function illustrating Streamulus

Usage

```
commonSubexpressions()
```

Value

An unconditional TRUE value

Author(s)

Dirk Eddelbuettel

Examples

```
## Not run:  
commonSubexpressions()  
  
## End(Not run)
```

crossAlert *Alert for cross of two moving averages*

Description

This is an example function illustrating Streamulus

Usage

```
crossAlert(f1, f2)
```

Arguments

| | |
|----|---|
| f1 | Parameter for the slower exponential moving average |
| f2 | Parameter for the faster exponential moving average |

Value

An unconditional TRUE value

Author(s)

Dirk Eddelbuettel

Examples

```
## Not run:  
crossAlert(10,20)  
  
## End(Not run)
```

| | |
|-------------|----------------------------------|
| helloStream | <i>Print some hello messages</i> |
|-------------|----------------------------------|

Description

This is an example function illustrating Streamulus

Usage

```
helloStream()
```

Value

An unconditional TRUE value

Author(s)

Dirk Eddelbuettel

Examples

```
## Not run:  
helloStream()  
  
## End(Not run)
```

`slidingWindow`*Sliding window function example*

Description

This is an example function illustrating Streamulus

Usage

```
slidingWindow()
```

Value

An unconditional TRUE value

Author(s)

Dirk Eddelbuettel

Examples

```
## Not run:  
slidingWindow()  
  
## End(Not run)
```

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