

# Package: RcppStreams (via r-universe)

August 16, 2024

**Type** Package

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

**Version** 0.1.3.1

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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

**Repository** <https://eddelbuettel.r-universe.dev>

**RemoteUrl** <https://github.com/eddelbuettel/rcppstreams>

**RemoteRef** HEAD

**RemoteSha** 46e32af6421427661ff689ee644d7e96997372fb

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commonSubexpressions    *Common 'greeting' carried across several expressions*

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**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*

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**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)
```

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helloStream	<i>Print some hello messages</i>
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### 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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