

# Package ‘igraphsonia’

February 20, 2015

**Type** Package

**Version** 1.0

**Date** 2010-08-05

**Title** Convert iGraph graphs to SoNIA .son files

**Author** Sean J Westwood <seanjw@stanford.edu>

**Maintainer** Sean J Westwood <seanjw@stanford.edu>

**Depends** igraph

**Description** This program facilitates exporting igraph graphs to the SoNIA file format

**License** GPL (>= 2)

**LazyLoad** yes

**Repository** CRAN

**Date/Publication** 2012-10-29 08:59:00

**NeedsCompilation** no

## R topics documented:

attachEdgeAtt . . . . .	1
attachVertexAtt . . . . .	2
write.graph.to.sonia . . . . .	3

<b>Index</b>	<b>4</b>
--------------	----------

---

attachEdgeAtt	<i>Attach valid edge attributes to the SoNIA output graph</i>
---------------	---

---

## Description

attachEdgeAtt Attach valid Edge attributes to the SoNIA output graph.

**Usage**

```
attachEdgeAtt(export_graph, source_graph, exportAttName, sourceAttName)
```

**Arguments**

```
export_graph    graph formatted for SoNIA
source_graph    source (original) igraph graph
exportAttName   attribute name supported by SoNIA
sourceAttName   attribute name supported by igraph
```

**Value**

```
export_graph    graph formatted for SoNIA with the specified attribute
```

**Author(s)**

```
Sean J. Westwood <seanjw@stanford.edu>
```

**Examples**

```
##
```

---

```
attachVertexAtt      Attach valid vertex attributes to the SoNIA output graph
```

---

**Description**

```
attachVertexAtt Attach valid vertex attributes to the SoNIA output graph.
```

**Usage**

```
attachVertexAtt(export_graph, source_graph, exportAttName, sourceAttName)
```

**Arguments**

```
export_graph    graph formatted for SoNIA
source_graph    source (original) igraph graph
exportAttName   attribute name supported by SoNIA
sourceAttName   attribute name supported by igraph
```

**Value**

```
export_graph    graph formatted for SoNIA with the specified attribute
```

**Author(s)**

Sean J. Westwood <seanjw@stanford.edu>

**Examples**

```
##
```

---

```
write.graph.to.sonia Write SoNIA file
```

---

**Description**

`write.graph.to.sonia` Takes an `igraph` graph object and outputs a SoNIA import file

**Usage**

```
write.graph.to.sonia(source_graph, fileN)
```

**Arguments**

<code>source_graph</code>	graph to export
<code>fileN</code>	file name for export

**Author(s)**

Sean J Westwood <seanjw@stanford.edu>

**Examples**

```
#example  
## Not run:  
write.graph.to.sonia(graph, "export.son")  
  
## End(Not run)
```

# Index

\*Topic **\textasciitildesna**

attachEdgeAtt, [1](#)

attachVertexAtt, [2](#)

write.graph.to.sonia, [3](#)

attachEdgeAtt, [1](#)

attachVertexAtt, [2](#)

write.graph.to.sonia, [3](#)