
Paths Graph Documentation

Release 0.0.1

John A. Bachman, Benjamin M. Gyori, Peter K. Sorger, P.S. Thiaga

May 15, 2018

Contents:

1	Paths Graph module reference	3
1.1	High-level API (<code>paths_graph.api</code>)	3
1.2	Paths Graph (<code>paths_graph.pg</code>)	3
1.3	Pre-CFPG (<code>paths_graph.pre_cfp</code>)	3
1.4	Cycle-free Paths Graph (<code>paths_graph.cfp</code>)	3
1.5	Paths Tree (<code>paths_graph.paths_tree</code>)	3
2	Indices and tables	5

The Paths Graph (PG), and its derivative the Cycle-Free Paths Graph (CFPG), represent a set of paths of interest without explicitly enumerating them. Using the PG and CFPG, queries concerning a set of paths can be answered by performing graphical operations on the rather than on the underlying directed network.

1.1 High-level API (`paths_graph.api`)

1.2 Paths Graph (`paths_graph.pg`)

1.3 Pre-CFPG (`paths_graph.pre_cfpg`)

1.4 Cycle-free Paths Graph (`paths_graph.cfpg`)

1.5 Paths Tree (`paths_graph.paths_tree`)

The Paths Graph code is made available under the 2-clause [BSD license](#). The software was developed with funding from ARO grant W911NF-14-1-0397, “Programmatic modelling for reasoning across complex mechanisms” under the DARPA Big Mechanism program, and W911NF-14-1-0391, “Active context” under the DARPA Communicating with Computers program.

CHAPTER 2

Indices and tables

- `genindex`
- `modindex`
- `search`