pyGraphML Documentation

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pyGraphML is a GraphML parser written in Python. GraphML is a comprehensive and easy-to-use file format for graphs.

CHAPTER

ONE

CONTENTS

1.1 Getting started

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1.2 `pygraphml` – API documentation

class `Graph.`**`Graph`**(*name=''*)

Main class which represent a Graph

Parameters

- **name** – name of the graph

`BFS`(*root=None*)

Breadth-first search.

See Also:

Wikipedia descritpion

Parameters

- **root** – first to start the search

Returns list of nodes

`DFS_prefix`(*root=None*)

Depth-first search.

See Also:

Wikipedia descritpion

Parameters

- **root** – first to start the search

Returns list of nodes

`add_edge`(*n1*, *n2*, *directed=False*)

`add_edge_by_label`(*label1*, *label2*)

`add_node`(*label=''*)

children(*node*)

edges()

get_depth(*node*)

nodes()

root()

set_root(*node*)

set_root_by_attribute(*value*, *attribute='label'*)

show(*show_label=False*)

class Node.**Node**

children()

edges()

parent()

class Edge.**Edge**(*node1*, *node2*, *directed=False*)

child()

directed(*dir*)

node(*node*)
Return the other node

parent()

set_directed(*dir*)

class Attribute.**Attribute**(*name*, *value*, *type='string'*)

class Item.**Item**

attributes()

class Point.**Point**(*x=0*, *y=0*, *z=0*)

vectorize(*point*)

class GraphMLParser.**GraphMLParser**

parse(*fname*)

write(*graph*, *fname*)

CHAPTER

TWO

INDICES AND TABLES

- *genindex*
- *modindex*
- *search*

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