Probabilistic StarVars

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2 Namespace Index

Class Index

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Here are the classes, structs, unions and interfaces with brief descriptions:				
oriented_point.OrientedPoint	ç			
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Class Index

File Index

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Here is a list of all files with brief descriptions:	
and the last	

oriented_point.py	 15
starvars.py	 16

6 File Index

Namespace Documentation

4.1 main Namespace Reference

Functions

def main

Variables

```
    string __author__ = "Danilo H. Perico"
    string __license__ = "GNU General Public License v3.0"
    string __project = "Probabilistic StarVars"
```

4.1.1 Function Documentation

```
4.1.1.1 def main.main ( )
```

4.1.2 Variable Documentation

```
4.1.2.1 string main.__author__ = "Danilo H. Perico"
4.1.2.2 string main.__license__ = "GNU General Public License v3.0"
4.1.2.3 string main.__project__ = "Probabilistic StarVars"
```

4.2 oriented_point Namespace Reference

Classes

class OrientedPoint

Variables

```
string __author__ = "Danilo H. Perico"
string __license__ = "GNU General Public License v3.0"
string __project__ = "Probabilistic StarVars"
```

4.2.1 Variable Documentation

```
4.2.1.1 string oriented_point.__author__ = "Danilo H. Perico"
4.2.1.2 string oriented_point.__license__ = "GNU General Public License v3.0"
4.2.1.3 string oriented_point.__project__ = "Probabilistic StarVars"
```

4.3 starvars Namespace Reference

Classes

class StarVars

Variables

```
string __author__ = "Danilo H. Perico"
string __license__ = "GNU General Public License v3.0"
string __project__ = "Probabilistic StarVars"
```

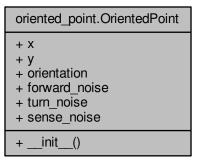
4.3.1 Variable Documentation

```
4.3.1.1 string starvars.__author__ = "Danilo H. Perico"
4.3.1.2 string starvars.__license__ = "GNU General Public License v3.0"
4.3.1.3 string starvars.__project__ = "Probabilistic StarVars"
```

Class Documentation

5.1 oriented_point.OrientedPoint Class Reference

Collaboration diagram for oriented_point.OrientedPoint:



Public Member Functions

def __init__

Public Attributes

- X
- **y**
- orientation
- forward_noise
- turn_noise
- sense_noise

5.1.1 Constructor & Destructor Documentation

5.1.1.1 def oriented_point.OrientedPoint.__init__ (self)

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5.1.2 Member Data Documentation

- 5.1.2.1 oriented_point.OrientedPoint.forward_noise
- 5.1.2.2 oriented_point.OrientedPoint.orientation
- 5.1.2.3 oriented_point.OrientedPoint.sense_noise
- 5.1.2.4 oriented_point.OrientedPoint.turn_noise
- 5.1.2.5 oriented_point.OrientedPoint.x
- 5.1.2.6 oriented_point.OrientedPoint.y

The documentation for this class was generated from the following file:

oriented_point.py

starvars.StarVars Class Reference 5.2

Collaboration diagram for starvars. StarVars:

starvars.StarVars

- + data_matrix
- + m
- + eta
- + oriented_points
- + landmarks
- + missing_orientation
- + missing_relations_from
- + overall_orientation + overall_relations
- + total_entities and 7 more...
- + __init__() + Decide_StarVars()
- + Recursive_For() + Data_Pre_Processing()
- + getAnswer()

Public Member Functions

- def init
- def Decide_StarVars
- · def Recursive For
- def Data_Pre_Processing
- def getAnswer

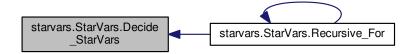
Public Attributes

- · data_matrix
- m
- eta
- oriented_points
- landmarks
- · missing orientation
- missing_relations_from
- overall_orientation
- · overall_relations
- total_entities
- loopnum
- · variable_list
- · orient index
- relations_index
- xy_answer
- · overall_orientation_answer
- · overall_relations_answer

5.2.1 Constructor & Destructor Documentation

- 5.2.1.1 def starvars.StarVars.__init__ (self)
- 5.2.2 Member Function Documentation
- 5.2.2.1 def starvars.StarVars.Data_Pre_Processing (self)
- 5.2.2.2 def starvars.StarVars.Decide_StarVars (self, variable_list)

Here is the caller graph for this function:

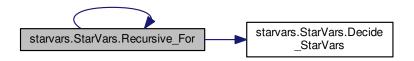


5.2.2.3 def starvars.StarVars.getAnswer (self)

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5.2.2.4 def starvars.StarVars.Recursive_For (self, variable_list, n)

Here is the call graph for this function:



Here is the caller graph for this function:



5.2.3 Member Data Documentation

5.2.3.1 starvars.StarVars.data_matrix

spliting received string converting data to numpy matrix

- 5.2.3.2 starvars.StarVars.eta
- 5.2.3.3 starvars.StarVars.landmarks

get landmarks ###

- 5.2.3.4 starvars.StarVars.loopnum
- 5.2.3.5 starvars.StarVars.m
- 5.2.3.6 starvars.StarVars.missing_orientation

get missing orientations ###

5.2.3.7 starvars.StarVars.missing_relations_from

get missing relations ###

5.2.3.8	starvars.StarVars.orient_index
5.2.3.9	starvars.StarVars.oriented_points
get orie	nted points ###
5.2.3.10	starvars.StarVars.overall_orientation
5.2.3.11	starvars.StarVars.overall_orientation_answer
5.2.3.12	starvars.StarVars.overall_relations
5.2.3.13	starvars.StarVars.overall_relations_answer
5.2.3.14	starvars.StarVars.relations_index
5.2.3.15	starvars.StarVars.total_entities
5.2.3.16	starvars.StarVars.variable_list

The documentation for this class was generated from the following file:

• starvars.py

5.2.3.17 starvars.StarVars.xy_answer

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File Documentation

6.1 main.py File Reference

Namespaces

• main

Functions

• def main.main

Variables

```
    string main. __author __ = "Danilo H. Perico"
    string main. __license __ = "GNU General Public License v3.0"
    string main. __project = "Probabilistic StarVars"
```

6.2 oriented_point.py File Reference

Classes

• class oriented_point.OrientedPoint

Namespaces

• oriented_point

Variables

```
• string oriented_point.__author__ = "Danilo H. Perico"
```

- string oriented_point.__license__ = "GNU General Public License v3.0"
- string oriented_point.__project__ = "Probabilistic StarVars"

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6.3 starvars.py File Reference

Classes

• class starvars.StarVars

Namespaces

starvars

Variables

```
• string starvars.__author__ = "Danilo H. Perico"
```

- string starvars.__license__ = "GNU General Public License v3.0"
- string starvars.__project__ = "Probabilistic StarVars"

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