Rune

0.0.1

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Namespace Index

1.1 Namespace List

Here is a list of all namespaces with brief descriptions:

helpers																					 				9
runes						 															 			1	C
runetrac	ete	st				 															 			- 1	C

2 Namespace Index

Hierarchical Index

2.1 Class Hierarchy

This inheritance list is sorted roughly, but not completely, alphabetically:

runes.Fire .		 	 		 												17
Tk																	
runetrace	etest.App	 	 	 								 					13

4 Hierarchical Index

Class Index

3.1 Class List

Here are the classes, structs, unions and interfaces with brief descriptions:

runetracetest.App	. 13
runes.Fire	. 17

6 Class Index

File Index

4.1 File List

Here is a list of all files with brief descriptions:

python/helpers.py											 												2
python/runes.py .											 							 					2
python/runetracetes	st.	p۱	/								 							 					2

8 File Index

Namespace Documentation

5.1 helpers Namespace Reference

Functions

```
def distance (x1, y1, x2, y2)def midpoint (x1, y1, x2, y2)
```

5.1.1 Detailed Description

```
@package docstring
helpers.py
@date Jan 8, 2022
@author Harper Weigle
@brief miscellaneous functions that are heavily repeated to clean up main code base. Mostly common equations
```

5.1.2 Function Documentation

5.1.2.1 distance()

5.1.2.2 midpoint()

5.2 runes Namespace Reference

Classes

· class Fire

5.2.1 Detailed Description

```
@package docstring
runes.py
@date Jan 8, 2022
@author Harper Weigle
@brief file to contain rune specific equations
```

5.3 runetracetest Namespace Reference

Classes

class App

Functions

• def main ()

Variables

- int CANVASWIDTH = 800
- int CANVASHEIGHT = 400
- int RESOLUTION = 100
- int WIGGLE = 20

5.3.1 Detailed Description

```
@package docstring
runetracetest.py
@date Jan 8, 2022
@author Harper Weigle
@brief main app for rune trace test. Handles main loop and core app functions
```

5.3.2 Function Documentation

5.3.2.1 main()

```
def runetracetest.main ( )

@brief initializes app, starts app.update recursive cycle, executes mainloop
@param None
@returns None
```

5.3.3 Variable Documentation

5.3.3.1 CANVASHEIGHT

```
int runetracetest.CANVASHEIGHT = 400
```

5.3.3.2 CANVASWIDTH

```
int runetracetest.CANVASWIDTH = 800
```

5.3.3.3 RESOLUTION

```
int runetracetest.RESOLUTION = 100
```

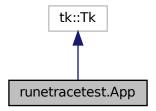
5.3.3.4 WIGGLE

int runetracetest.WIGGLE = 20

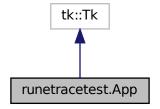
Class Documentation

6.1 runetracetest.App Class Reference

Inheritance diagram for runetracetest.App:



Collaboration diagram for runetracetest.App:



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Public Member Functions

- def __init__ (self)
- def update (self)
- def drawCoordPlane (self)
- def checkCursor (self, e)
- def drawFireRune (self)
- def zeroToTrueCoord (self, x, y)
- def trueToZeroCoord (self, x, y)

Public Attributes

- canvas
- scale
- scale_mod
- status
- statusLabel

6.1.1 Detailed Description

 $\hbox{\tt @brief} \quad \hbox{\tt core app class handles tkinter root functions as well as core app functions. Must be initialized before \\ \quad \hbox{\tt Child of tk.Tk}$

6.1.2 Constructor & Destructor Documentation

```
6.1.2.1 __init__()
```

6.1.3 Member Function Documentation

6.1.3.1 checkCursor()

6.1.3.2 drawCoordPlane()

6.1.3.3 drawFireRune()

6.1.3.4 trueToZeroCoord()

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6.1.3.5 update()

```
def runetracetest.App.update ( self \ ) @brief clears canvas, redraws canvas items, and reschedules self @param None @returns None
```

6.1.3.6 zeroToTrueCoord()

6.1.4 Member Data Documentation

6.1.4.1 canvas

runetracetest.App.canvas

6.1.4.2 scale

 ${\tt runetracetest.App.scale}$

6.1.4.3 scale_mod

 ${\tt runetracetest.App.scale_mod}$

6.1.4.4 status

```
runetracetest.App.status
```

6.1.4.5 statusLabel

```
{\tt runetracetest.App.statusLabel}
```

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

python/runetracetest.py

6.2 runes. Fire Class Reference

Public Member Functions

```
• def stageOneY (x, s1)
```

- def stageOneX (y, s1)
- def stageTwoY (x, s1, s2, s3)
- def stageTwoX (y, s1, s2)
- def stageThreeY (x, s1, s3)
- def stageThreeX (y, s1, s3, s4)
- def stageFourY (x, s4)
- def stageFourX (y, s4)
- def stageFiveY (x, s4)
- def stageFiveX (y, s4)
- def stageSixY (x, s1)
- def stageSixX (y, s1, s4)

6.2.1 Detailed Description

@brief class has no initialization because it does not store member variables. It simply organizes stages of t

6.2.2 Member Function Documentation

6.2.2.1 stageFiveX()

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6.2.2.2 stageFiveY()

6.2.2.3 stageFourX()

6.2.2.4 stageFourY()

6.2.2.5 stageOneX()

6.2.2.6 stageOneY()

6.2.2.7 stageSixX()

6.2.2.8 stageSixY()

6.2.2.9 stageThreeX()

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6.2.2.10 stageThreeY()

6.2.2.11 stageTwoX()

6.2.2.12 stageTwoY()

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

python/runes.py

File Documentation

7.1 python/helpers.py File Reference

Namespaces

• helpers

Functions

- def helpers.distance (x1, y1, x2, y2)
- def helpers.midpoint (x1, y1, x2, y2)

7.2 python/runes.py File Reference

Classes

• class runes.Fire

Namespaces

• runes

7.3 python/runetracetest.py File Reference

Classes

· class runetracetest.App

Namespaces

· runetracetest

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Functions

• def runetracetest.main ()

Variables

- int runetracetest.CANVASWIDTH = 800
- int runetracetest.CANVASHEIGHT = 400
- int runetracetest.RESOLUTION = 100
- int runetracetest.WIGGLE = 20