GroPro

API Documentation

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1 Module Berechnung

1.1 Variables

Name	Description
__package__	**Value:** `None`

1.2 Class Berechnung

Known Subclasses: Berechnung.StandardBerechnung

1.2.1 Methods

distance(*self*, *landA*, *landB*)

berechne(*self*, *karte*)

normVektor(*self*, *landA*, *landB*)

1.3 Class StandardBerechnung

Berechnung.Berechnung
└ **Berechnung.StandardBerechnung**

1.3.1 Methods

mittelwerteRadien(*self*, *karte*)

voriteration(*self*, *karte*, *faktor*=`0`)

berechne(*self*, *karte*)
Overrides: Berechnung.Berechnung.berechne

Inherited from Berechnung.Berechnung(Section 1.2)

distance(), normVektor()

2 Module InputReader

2.1 Functions

addNachbarnToLand(*self*, *nachbarn*, *heimatland*)

2.2 Variables

Name	Description
__package__	**Value:** `None`

2.3 Class InputReader

2.3.1 Methods

__init__(*self*, *filename*)

read(*self*)

2.3.2 Class Variables

Name	Description
mFilename	**Value:** ’’

3 Module Karte

3.1 Variables

Name	Description
__package__	**Value:** `None`

3.2 Class Karte

3.2.1 Methods

__init__(*self*, *l*, *kennzBz*)

3.2.2 Class Variables

Name	Description
laenderliste	**Value:** `[]`
kennzahlBz	**Value:** `''`
xmin	**Value:** `0.0`
xmax	**Value:** `0.0`
ymin	**Value:** `0.0`
ymax	**Value:** `0.0`

4 Module Land

4.1 Variables

Name	Description
__package__	**Value:** `None`

4.2 Class Land

4.2.1 Methods

__init__(*self*, *x*, *y*, *kennZe*, *kennZa*)

__str__(*self*)

__repr__(*self*)

addNachbar(*self*, *nachbar*)

containsNachbar(*self*, *nachbar*)

4.2.2 Class Variables

Name	Description
xPos	**Value:** `0.0`
yPos	**Value:** `0.0`
kennzeichen	**Value:** `''`
kennzahl	**Value:** `0`
kraftX	**Value:** `0.0`
kraftY	**Value:** `0.0`
radius	**Value:** `0.0`
nachbarlaender	**Value:** `[]`

5 Module Main

5.1 Functions

main(*arguments*)

scale(*karte*)

berechneMinimum(*karte*)

5.2 Variables

Name	Description
ap	**Value:** `ArgumentParser(prog='Hello there!', usage=None, descripti...`
results	**Value:** `Namespace(input=None, iterationen=100, output=None, skali...`
__package__	**Value:** `None`

5.3 Class Main

5.3.1 Methods

printUsage(*self*)

5.3.2 Class Variables

Name	Description
mFilename	**Value:** `''`
mInput	**Value:** `None`
mOutput	**Value:** `None`
mBerechnung	**Value:** `None`
karte	**Value:** `None`
iterationen	**Value:** `100`

6 Module OutputWrite

6.1 Variables

Name	Description
__package__	**Value:** `None`

6.2 Class OutputWriter

6.2.1 Methods

__init__(*self*, *iFilename*, *iTemplate*, *iKarte*, *iIterationen*)

write(*self*)

6.2.2 Class Variables

Name	Description
mFilename	**Value:** `''`
mTemplate	**Value:** `''`
mKarte	**Value:** `Karte([], "")`
mIterationen	**Value:** `0`

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