JavaScript is disabled on your browser.

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org.opencv.imgproc

## Class GeneralizedHoughGuil

* java.lang.Object
  + [org.opencv.core.Algorithm](http://docs.google.com/org/opencv/core/Algorithm.html)
    - [org.opencv.imgproc.GeneralizedHough](http://docs.google.com/org/opencv/imgproc/GeneralizedHough.html)
      * org.opencv.imgproc.GeneralizedHoughGuil
* public class GeneralizedHoughGuil  
  extends [GeneralizedHough](http://docs.google.com/org/opencv/imgproc/GeneralizedHough.html)  
  finds arbitrary template in the grayscale image using Generalized Hough Transform Detects position, translation and rotation CITE: Guil1999 .

### Method SummaryMethods

| Modifier and Type | Method and Description |
| --- | --- |
| static [GeneralizedHoughGuil](http://docs.google.com/org/opencv/imgproc/GeneralizedHoughGuil.html) | [**\_\_fromPtr\_\_**](http://docs.google.com/org/opencv/imgproc/GeneralizedHoughGuil.html#__fromPtr__(long))(long addr) |
| double | [**getAngleEpsilon**](http://docs.google.com/org/opencv/imgproc/GeneralizedHoughGuil.html#getAngleEpsilon())() |
| double | [**getAngleStep**](http://docs.google.com/org/opencv/imgproc/GeneralizedHoughGuil.html#getAngleStep())() |
| int | [**getAngleThresh**](http://docs.google.com/org/opencv/imgproc/GeneralizedHoughGuil.html#getAngleThresh())() |
| int | [**getLevels**](http://docs.google.com/org/opencv/imgproc/GeneralizedHoughGuil.html#getLevels())() |
| double | [**getMaxAngle**](http://docs.google.com/org/opencv/imgproc/GeneralizedHoughGuil.html#getMaxAngle())() |
| double | [**getMaxScale**](http://docs.google.com/org/opencv/imgproc/GeneralizedHoughGuil.html#getMaxScale())() |
| double | [**getMinAngle**](http://docs.google.com/org/opencv/imgproc/GeneralizedHoughGuil.html#getMinAngle())() |
| double | [**getMinScale**](http://docs.google.com/org/opencv/imgproc/GeneralizedHoughGuil.html#getMinScale())() |
| int | [**getPosThresh**](http://docs.google.com/org/opencv/imgproc/GeneralizedHoughGuil.html#getPosThresh())() |
| double | [**getScaleStep**](http://docs.google.com/org/opencv/imgproc/GeneralizedHoughGuil.html#getScaleStep())() |
| int | [**getScaleThresh**](http://docs.google.com/org/opencv/imgproc/GeneralizedHoughGuil.html#getScaleThresh())() |
| double | [**getXi**](http://docs.google.com/org/opencv/imgproc/GeneralizedHoughGuil.html#getXi())() |
| void | [**setAngleEpsilon**](http://docs.google.com/org/opencv/imgproc/GeneralizedHoughGuil.html#setAngleEpsilon(double))(double angleEpsilon) |
| void | [**setAngleStep**](http://docs.google.com/org/opencv/imgproc/GeneralizedHoughGuil.html#setAngleStep(double))(double angleStep) |
| void | [**setAngleThresh**](http://docs.google.com/org/opencv/imgproc/GeneralizedHoughGuil.html#setAngleThresh(int))(int angleThresh) |
| void | [**setLevels**](http://docs.google.com/org/opencv/imgproc/GeneralizedHoughGuil.html#setLevels(int))(int levels) |
| void | [**setMaxAngle**](http://docs.google.com/org/opencv/imgproc/GeneralizedHoughGuil.html#setMaxAngle(double))(double maxAngle) |
| void | [**setMaxScale**](http://docs.google.com/org/opencv/imgproc/GeneralizedHoughGuil.html#setMaxScale(double))(double maxScale) |
| void | [**setMinAngle**](http://docs.google.com/org/opencv/imgproc/GeneralizedHoughGuil.html#setMinAngle(double))(double minAngle) |
| void | [**setMinScale**](http://docs.google.com/org/opencv/imgproc/GeneralizedHoughGuil.html#setMinScale(double))(double minScale) |
| void | [**setPosThresh**](http://docs.google.com/org/opencv/imgproc/GeneralizedHoughGuil.html#setPosThresh(int))(int posThresh) |
| void | [**setScaleStep**](http://docs.google.com/org/opencv/imgproc/GeneralizedHoughGuil.html#setScaleStep(double))(double scaleStep) |
| void | [**setScaleThresh**](http://docs.google.com/org/opencv/imgproc/GeneralizedHoughGuil.html#setScaleThresh(int))(int scaleThresh) |
| void | [**setXi**](http://docs.google.com/org/opencv/imgproc/GeneralizedHoughGuil.html#setXi(double))(double xi) |

### Methods inherited from class org.opencv.imgproc.[**GeneralizedHough**](http://docs.google.com/org/opencv/imgproc/GeneralizedHough.html)[detect](http://docs.google.com/org/opencv/imgproc/GeneralizedHough.html#detect(org.opencv.core.Mat,%20org.opencv.core.Mat)), [detect](http://docs.google.com/org/opencv/imgproc/GeneralizedHough.html#detect(org.opencv.core.Mat,%20org.opencv.core.Mat,%20org.opencv.core.Mat)), [detect](http://docs.google.com/org/opencv/imgproc/GeneralizedHough.html#detect(org.opencv.core.Mat,%20org.opencv.core.Mat,%20org.opencv.core.Mat,%20org.opencv.core.Mat)), [detect](http://docs.google.com/org/opencv/imgproc/GeneralizedHough.html#detect(org.opencv.core.Mat,%20org.opencv.core.Mat,%20org.opencv.core.Mat,%20org.opencv.core.Mat,%20org.opencv.core.Mat)), [getCannyHighThresh](http://docs.google.com/org/opencv/imgproc/GeneralizedHough.html#getCannyHighThresh()), [getCannyLowThresh](http://docs.google.com/org/opencv/imgproc/GeneralizedHough.html#getCannyLowThresh()), [getDp](http://docs.google.com/org/opencv/imgproc/GeneralizedHough.html#getDp()), [getMaxBufferSize](http://docs.google.com/org/opencv/imgproc/GeneralizedHough.html#getMaxBufferSize()), [getMinDist](http://docs.google.com/org/opencv/imgproc/GeneralizedHough.html#getMinDist()), [setCannyHighThresh](http://docs.google.com/org/opencv/imgproc/GeneralizedHough.html#setCannyHighThresh(int)), [setCannyLowThresh](http://docs.google.com/org/opencv/imgproc/GeneralizedHough.html#setCannyLowThresh(int)), [setDp](http://docs.google.com/org/opencv/imgproc/GeneralizedHough.html#setDp(double)), [setMaxBufferSize](http://docs.google.com/org/opencv/imgproc/GeneralizedHough.html#setMaxBufferSize(int)), [setMinDist](http://docs.google.com/org/opencv/imgproc/GeneralizedHough.html#setMinDist(double)), [setTemplate](http://docs.google.com/org/opencv/imgproc/GeneralizedHough.html#setTemplate(org.opencv.core.Mat)), [setTemplate](http://docs.google.com/org/opencv/imgproc/GeneralizedHough.html#setTemplate(org.opencv.core.Mat,%20org.opencv.core.Mat,%20org.opencv.core.Mat)), [setTemplate](http://docs.google.com/org/opencv/imgproc/GeneralizedHough.html#setTemplate(org.opencv.core.Mat,%20org.opencv.core.Mat,%20org.opencv.core.Mat,%20org.opencv.core.Point)), [setTemplate](http://docs.google.com/org/opencv/imgproc/GeneralizedHough.html#setTemplate(org.opencv.core.Mat,%20org.opencv.core.Point))

### Methods inherited from class org.opencv.core.[**Algorithm**](http://docs.google.com/org/opencv/core/Algorithm.html)[clear](http://docs.google.com/org/opencv/core/Algorithm.html#clear()), [empty](http://docs.google.com/org/opencv/core/Algorithm.html#empty()), [getDefaultName](http://docs.google.com/org/opencv/core/Algorithm.html#getDefaultName()), [getNativeObjAddr](http://docs.google.com/org/opencv/core/Algorithm.html#getNativeObjAddr()), [save](http://docs.google.com/org/opencv/core/Algorithm.html#save(java.lang.String))

### Methods inherited from class java.lang.Objectequals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

### Method Detail

#### \_\_fromPtr\_\_ public static [GeneralizedHoughGuil](http://docs.google.com/org/opencv/imgproc/GeneralizedHoughGuil.html) \_\_fromPtr\_\_(long addr)

#### getAngleEpsilon public double getAngleEpsilon()

#### getAngleStep public double getAngleStep()

#### getAngleThresh public int getAngleThresh()

#### getLevels public int getLevels()

#### getMaxAngle public double getMaxAngle()

#### getMaxScale public double getMaxScale()

#### getMinAngle public double getMinAngle()

#### getMinScale public double getMinScale()

#### getPosThresh public int getPosThresh()

#### getScaleStep public double getScaleStep()

#### getScaleThresh public int getScaleThresh()

#### getXi public double getXi()

#### setAngleEpsilon public void setAngleEpsilon(double angleEpsilon)

#### setAngleStep public void setAngleStep(double angleStep)

#### setAngleThresh public void setAngleThresh(int angleThresh)

#### setLevels public void setLevels(int levels)

#### setMaxAngle public void setMaxAngle(double maxAngle)

#### setMaxScale public void setMaxScale(double maxScale)

#### setMinAngle public void setMinAngle(double minAngle)

#### setMinScale public void setMinScale(double minScale)

#### setPosThresh public void setPosThresh(int posThresh)

#### setScaleStep public void setScaleStep(double scaleStep)

#### setScaleThresh public void setScaleThresh(int scaleThresh)

#### setXi public void setXi(double xi)

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