JavaScript is disabled on your browser.

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org.opencv.features2d

## Class AgastFeatureDetector

* java.lang.Object
  + [org.opencv.core.Algorithm](http://docs.google.com/org/opencv/core/Algorithm.html)
    - [org.opencv.features2d.Feature2D](http://docs.google.com/org/opencv/features2d/Feature2D.html)
      * org.opencv.features2d.AgastFeatureDetector
* public class AgastFeatureDetector  
  extends [Feature2D](http://docs.google.com/org/opencv/features2d/Feature2D.html)  
  Wrapping class for feature detection using the AGAST method. :

### Field SummaryFields

| Modifier and Type | Field and Description |
| --- | --- |
| static int | [**AGAST\_5\_8**](http://docs.google.com/org/opencv/features2d/AgastFeatureDetector.html#AGAST_5_8) |
| static int | [**AGAST\_7\_12d**](http://docs.google.com/org/opencv/features2d/AgastFeatureDetector.html#AGAST_7_12d) |
| static int | [**AGAST\_7\_12s**](http://docs.google.com/org/opencv/features2d/AgastFeatureDetector.html#AGAST_7_12s) |
| static int | [**NONMAX\_SUPPRESSION**](http://docs.google.com/org/opencv/features2d/AgastFeatureDetector.html#NONMAX_SUPPRESSION) |
| static int | [**OAST\_9\_16**](http://docs.google.com/org/opencv/features2d/AgastFeatureDetector.html#OAST_9_16) |
| static int | [**THRESHOLD**](http://docs.google.com/org/opencv/features2d/AgastFeatureDetector.html#THRESHOLD) |

### Method SummaryMethods

| Modifier and Type | Method and Description |
| --- | --- |
| static [AgastFeatureDetector](http://docs.google.com/org/opencv/features2d/AgastFeatureDetector.html) | [**\_\_fromPtr\_\_**](http://docs.google.com/org/opencv/features2d/AgastFeatureDetector.html#__fromPtr__(long))(long addr) |
| static [AgastFeatureDetector](http://docs.google.com/org/opencv/features2d/AgastFeatureDetector.html) | [**create**](http://docs.google.com/org/opencv/features2d/AgastFeatureDetector.html#create())() |
| static [AgastFeatureDetector](http://docs.google.com/org/opencv/features2d/AgastFeatureDetector.html) | [**create**](http://docs.google.com/org/opencv/features2d/AgastFeatureDetector.html#create(int))(int threshold) |
| static [AgastFeatureDetector](http://docs.google.com/org/opencv/features2d/AgastFeatureDetector.html) | [**create**](http://docs.google.com/org/opencv/features2d/AgastFeatureDetector.html#create(int,%20boolean))(int threshold, boolean nonmaxSuppression) |
| static [AgastFeatureDetector](http://docs.google.com/org/opencv/features2d/AgastFeatureDetector.html) | [**create**](http://docs.google.com/org/opencv/features2d/AgastFeatureDetector.html#create(int,%20boolean,%20int))(int threshold, boolean nonmaxSuppression, int type) |
| java.lang.String | [**getDefaultName**](http://docs.google.com/org/opencv/features2d/AgastFeatureDetector.html#getDefaultName())() Returns the algorithm string identifier. |
| boolean | [**getNonmaxSuppression**](http://docs.google.com/org/opencv/features2d/AgastFeatureDetector.html#getNonmaxSuppression())() |
| int | [**getThreshold**](http://docs.google.com/org/opencv/features2d/AgastFeatureDetector.html#getThreshold())() |
| int | [**getType**](http://docs.google.com/org/opencv/features2d/AgastFeatureDetector.html#getType())() |
| void | [**setNonmaxSuppression**](http://docs.google.com/org/opencv/features2d/AgastFeatureDetector.html#setNonmaxSuppression(boolean))(boolean f) |
| void | [**setThreshold**](http://docs.google.com/org/opencv/features2d/AgastFeatureDetector.html#setThreshold(int))(int threshold) |
| void | [**setType**](http://docs.google.com/org/opencv/features2d/AgastFeatureDetector.html#setType(int))(int type) |

### Methods inherited from class org.opencv.features2d.[**Feature2D**](http://docs.google.com/org/opencv/features2d/Feature2D.html)[compute](http://docs.google.com/org/opencv/features2d/Feature2D.html#compute(java.util.List,%20java.util.List,%20java.util.List)), [compute](http://docs.google.com/org/opencv/features2d/Feature2D.html#compute(org.opencv.core.Mat,%20org.opencv.core.MatOfKeyPoint,%20org.opencv.core.Mat)), [defaultNorm](http://docs.google.com/org/opencv/features2d/Feature2D.html#defaultNorm()), [descriptorSize](http://docs.google.com/org/opencv/features2d/Feature2D.html#descriptorSize()), [descriptorType](http://docs.google.com/org/opencv/features2d/Feature2D.html#descriptorType()), [detect](http://docs.google.com/org/opencv/features2d/Feature2D.html#detect(java.util.List,%20java.util.List)), [detect](http://docs.google.com/org/opencv/features2d/Feature2D.html#detect(java.util.List,%20java.util.List,%20java.util.List)), [detect](http://docs.google.com/org/opencv/features2d/Feature2D.html#detect(org.opencv.core.Mat,%20org.opencv.core.MatOfKeyPoint)), [detect](http://docs.google.com/org/opencv/features2d/Feature2D.html#detect(org.opencv.core.Mat,%20org.opencv.core.MatOfKeyPoint,%20org.opencv.core.Mat)), [detectAndCompute](http://docs.google.com/org/opencv/features2d/Feature2D.html#detectAndCompute(org.opencv.core.Mat,%20org.opencv.core.Mat,%20org.opencv.core.MatOfKeyPoint,%20org.opencv.core.Mat)), [detectAndCompute](http://docs.google.com/org/opencv/features2d/Feature2D.html#detectAndCompute(org.opencv.core.Mat,%20org.opencv.core.Mat,%20org.opencv.core.MatOfKeyPoint,%20org.opencv.core.Mat,%20boolean)), [empty](http://docs.google.com/org/opencv/features2d/Feature2D.html#empty()), [read](http://docs.google.com/org/opencv/features2d/Feature2D.html#read(java.lang.String)), [write](http://docs.google.com/org/opencv/features2d/Feature2D.html#write(java.lang.String))

### 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()), [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

### Field Detail

#### AGAST\_5\_8 public static final int AGAST\_5\_8See Also:[Constant Field Values](http://docs.google.com/constant-values.html#org.opencv.features2d.AgastFeatureDetector.AGAST_5_8)

#### AGAST\_7\_12d public static final int AGAST\_7\_12dSee Also:[Constant Field Values](http://docs.google.com/constant-values.html#org.opencv.features2d.AgastFeatureDetector.AGAST_7_12d)

#### AGAST\_7\_12s public static final int AGAST\_7\_12sSee Also:[Constant Field Values](http://docs.google.com/constant-values.html#org.opencv.features2d.AgastFeatureDetector.AGAST_7_12s)

#### NONMAX\_SUPPRESSION public static final int NONMAX\_SUPPRESSIONSee Also:[Constant Field Values](http://docs.google.com/constant-values.html#org.opencv.features2d.AgastFeatureDetector.NONMAX_SUPPRESSION)

#### OAST\_9\_16 public static final int OAST\_9\_16See Also:[Constant Field Values](http://docs.google.com/constant-values.html#org.opencv.features2d.AgastFeatureDetector.OAST_9_16)

#### THRESHOLD public static final int THRESHOLDSee Also:[Constant Field Values](http://docs.google.com/constant-values.html#org.opencv.features2d.AgastFeatureDetector.THRESHOLD)

### Method Detail

#### \_\_fromPtr\_\_ public static [AgastFeatureDetector](http://docs.google.com/org/opencv/features2d/AgastFeatureDetector.html) \_\_fromPtr\_\_(long addr)

#### create public static [AgastFeatureDetector](http://docs.google.com/org/opencv/features2d/AgastFeatureDetector.html) create()

#### create public static [AgastFeatureDetector](http://docs.google.com/org/opencv/features2d/AgastFeatureDetector.html) create(int threshold)

#### create public static [AgastFeatureDetector](http://docs.google.com/org/opencv/features2d/AgastFeatureDetector.html) create(int threshold, boolean nonmaxSuppression)

#### create public static [AgastFeatureDetector](http://docs.google.com/org/opencv/features2d/AgastFeatureDetector.html) create(int threshold, boolean nonmaxSuppression, int type)

#### getDefaultName public java.lang.String getDefaultName() **Description copied from class:**[**Algorithm**](http://docs.google.com/org/opencv/core/Algorithm.html#getDefaultName()) Returns the algorithm string identifier. This string is used as top level xml/yml node tag when the object is saved to a file or string.**Overrides:** [getDefaultName](http://docs.google.com/org/opencv/features2d/Feature2D.html#getDefaultName()) in class [Feature2D](http://docs.google.com/org/opencv/features2d/Feature2D.html) Returns:automatically generated

#### getNonmaxSuppression public boolean getNonmaxSuppression()

#### getThreshold public int getThreshold()

#### getType public int getType()

#### setNonmaxSuppression public void setNonmaxSuppression(boolean f)

#### setThreshold public void setThreshold(int threshold)

#### setType public void setType(int type)

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* [Next Class](http://docs.google.com/org/opencv/features2d/AKAZE.html)
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