JavaScript is disabled on your browser.

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org.opencv.features2d

## Class FlannBasedMatcher

* java.lang.Object
  + [org.opencv.core.Algorithm](http://docs.google.com/org/opencv/core/Algorithm.html)
    - [org.opencv.features2d.DescriptorMatcher](http://docs.google.com/org/opencv/features2d/DescriptorMatcher.html)
      * org.opencv.features2d.FlannBasedMatcher
* public class FlannBasedMatcher  
  extends [DescriptorMatcher](http://docs.google.com/org/opencv/features2d/DescriptorMatcher.html)  
  Flann-based descriptor matcher. This matcher trains cv::flann::Index on a train descriptor collection and calls its nearest search methods to find the best matches. So, this matcher may be faster when matching a large train collection than the brute force matcher. FlannBasedMatcher does not support masking permissible matches of descriptor sets because flann::Index does not support this. :

### Field Summary

### Fields inherited from class org.opencv.features2d.[**DescriptorMatcher**](http://docs.google.com/org/opencv/features2d/DescriptorMatcher.html)[BRUTEFORCE](http://docs.google.com/org/opencv/features2d/DescriptorMatcher.html#BRUTEFORCE), [BRUTEFORCE\_HAMMING](http://docs.google.com/org/opencv/features2d/DescriptorMatcher.html#BRUTEFORCE_HAMMING), [BRUTEFORCE\_HAMMINGLUT](http://docs.google.com/org/opencv/features2d/DescriptorMatcher.html#BRUTEFORCE_HAMMINGLUT), [BRUTEFORCE\_L1](http://docs.google.com/org/opencv/features2d/DescriptorMatcher.html#BRUTEFORCE_L1), [BRUTEFORCE\_SL2](http://docs.google.com/org/opencv/features2d/DescriptorMatcher.html#BRUTEFORCE_SL2), [FLANNBASED](http://docs.google.com/org/opencv/features2d/DescriptorMatcher.html#FLANNBASED)

### Constructor SummaryConstructors

| Constructor and Description |
| --- |
| [**FlannBasedMatcher**](http://docs.google.com/org/opencv/features2d/FlannBasedMatcher.html#FlannBasedMatcher())() |

### Method SummaryMethods

| Modifier and Type | Method and Description |
| --- | --- |
| static [FlannBasedMatcher](http://docs.google.com/org/opencv/features2d/FlannBasedMatcher.html) | [**\_\_fromPtr\_\_**](http://docs.google.com/org/opencv/features2d/FlannBasedMatcher.html#__fromPtr__(long))(long addr) |
| static [FlannBasedMatcher](http://docs.google.com/org/opencv/features2d/FlannBasedMatcher.html) | [**create**](http://docs.google.com/org/opencv/features2d/FlannBasedMatcher.html#create())() |

### Methods inherited from class org.opencv.features2d.[**DescriptorMatcher**](http://docs.google.com/org/opencv/features2d/DescriptorMatcher.html)[add](http://docs.google.com/org/opencv/features2d/DescriptorMatcher.html#add(java.util.List)), [clear](http://docs.google.com/org/opencv/features2d/DescriptorMatcher.html#clear()), [clone](http://docs.google.com/org/opencv/features2d/DescriptorMatcher.html#clone()), [clone](http://docs.google.com/org/opencv/features2d/DescriptorMatcher.html#clone(boolean)), [create](http://docs.google.com/org/opencv/features2d/DescriptorMatcher.html#create(int)), [create](http://docs.google.com/org/opencv/features2d/DescriptorMatcher.html#create(java.lang.String)), [empty](http://docs.google.com/org/opencv/features2d/DescriptorMatcher.html#empty()), [getTrainDescriptors](http://docs.google.com/org/opencv/features2d/DescriptorMatcher.html#getTrainDescriptors()), [isMaskSupported](http://docs.google.com/org/opencv/features2d/DescriptorMatcher.html#isMaskSupported()), [knnMatch](http://docs.google.com/org/opencv/features2d/DescriptorMatcher.html#knnMatch(org.opencv.core.Mat,%20java.util.List,%20int)), [knnMatch](http://docs.google.com/org/opencv/features2d/DescriptorMatcher.html#knnMatch(org.opencv.core.Mat,%20java.util.List,%20int,%20java.util.List)), [knnMatch](http://docs.google.com/org/opencv/features2d/DescriptorMatcher.html#knnMatch(org.opencv.core.Mat,%20java.util.List,%20int,%20java.util.List,%20boolean)), [knnMatch](http://docs.google.com/org/opencv/features2d/DescriptorMatcher.html#knnMatch(org.opencv.core.Mat,%20org.opencv.core.Mat,%20java.util.List,%20int)), [knnMatch](http://docs.google.com/org/opencv/features2d/DescriptorMatcher.html#knnMatch(org.opencv.core.Mat,%20org.opencv.core.Mat,%20java.util.List,%20int,%20org.opencv.core.Mat)), [knnMatch](http://docs.google.com/org/opencv/features2d/DescriptorMatcher.html#knnMatch(org.opencv.core.Mat,%20org.opencv.core.Mat,%20java.util.List,%20int,%20org.opencv.core.Mat,%20boolean)), [match](http://docs.google.com/org/opencv/features2d/DescriptorMatcher.html#match(org.opencv.core.Mat,%20org.opencv.core.Mat,%20org.opencv.core.MatOfDMatch)), [match](http://docs.google.com/org/opencv/features2d/DescriptorMatcher.html#match(org.opencv.core.Mat,%20org.opencv.core.Mat,%20org.opencv.core.MatOfDMatch,%20org.opencv.core.Mat)), [match](http://docs.google.com/org/opencv/features2d/DescriptorMatcher.html#match(org.opencv.core.Mat,%20org.opencv.core.MatOfDMatch)), [match](http://docs.google.com/org/opencv/features2d/DescriptorMatcher.html#match(org.opencv.core.Mat,%20org.opencv.core.MatOfDMatch,%20java.util.List)), [radiusMatch](http://docs.google.com/org/opencv/features2d/DescriptorMatcher.html#radiusMatch(org.opencv.core.Mat,%20java.util.List,%20float)), [radiusMatch](http://docs.google.com/org/opencv/features2d/DescriptorMatcher.html#radiusMatch(org.opencv.core.Mat,%20java.util.List,%20float,%20java.util.List)), [radiusMatch](http://docs.google.com/org/opencv/features2d/DescriptorMatcher.html#radiusMatch(org.opencv.core.Mat,%20java.util.List,%20float,%20java.util.List,%20boolean)), [radiusMatch](http://docs.google.com/org/opencv/features2d/DescriptorMatcher.html#radiusMatch(org.opencv.core.Mat,%20org.opencv.core.Mat,%20java.util.List,%20float)), [radiusMatch](http://docs.google.com/org/opencv/features2d/DescriptorMatcher.html#radiusMatch(org.opencv.core.Mat,%20org.opencv.core.Mat,%20java.util.List,%20float,%20org.opencv.core.Mat)), [radiusMatch](http://docs.google.com/org/opencv/features2d/DescriptorMatcher.html#radiusMatch(org.opencv.core.Mat,%20org.opencv.core.Mat,%20java.util.List,%20float,%20org.opencv.core.Mat,%20boolean)), [read](http://docs.google.com/org/opencv/features2d/DescriptorMatcher.html#read(java.lang.String)), [train](http://docs.google.com/org/opencv/features2d/DescriptorMatcher.html#train()), [write](http://docs.google.com/org/opencv/features2d/DescriptorMatcher.html#write(java.lang.String))

### Methods inherited from class org.opencv.core.[**Algorithm**](http://docs.google.com/org/opencv/core/Algorithm.html)[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

### Constructor Detail

#### FlannBasedMatcher public FlannBasedMatcher()

### Method Detail

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

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

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