JavaScript is disabled on your browser.

* [Overview](http://docs.google.com/overview-summary.html)
* [Package](http://docs.google.com/package-summary.html)
* Class
* [Tree](http://docs.google.com/package-tree.html)
* [Index](http://docs.google.com/index-all.html)
* [Help](http://docs.google.com/help-doc.html)
* [Prev Class](http://docs.google.com/org/opencv/objdetect/CascadeClassifier.html)
* [Next Class](http://docs.google.com/org/opencv/objdetect/Objdetect.html)
* [Frames](http://docs.google.com/index.html?org/opencv/objdetect/HOGDescriptor.html)
* [No Frames](http://docs.google.com/HOGDescriptor.html)
* [All Classes](http://docs.google.com/allclasses-noframe.html)
* Summary:
* Nested |
* [Field](#3znysh7) |
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* [Constr](#17dp8vu) |
* [Method](#4i7ojhp)

org.opencv.objdetect

## Class HOGDescriptor

* java.lang.Object
  + org.opencv.objdetect.HOGDescriptor
* public class HOGDescriptor  
  extends java.lang.Object  
  Implementation of HOG (Histogram of Oriented Gradients) descriptor and object detector. the HOG descriptor algorithm introduced by Navneet Dalal and Bill Triggs CITE: Dalal2005 . useful links: https://hal.inria.fr/inria-00548512/document/ https://en.wikipedia.org/wiki/Histogram\_of\_oriented\_gradients https://software.intel.com/en-us/ipp-dev-reference-histogram-of-oriented-gradients-hog-descriptor http://www.learnopencv.com/histogram-of-oriented-gradients http://www.learnopencv.com/handwritten-digits-classification-an-opencv-c-python-tutorial

### Field SummaryFields

| Modifier and Type | Field and Description |
| --- | --- |
| static int | [**DEFAULT\_NLEVELS**](http://docs.google.com/org/opencv/objdetect/HOGDescriptor.html#DEFAULT_NLEVELS) |
| static int | [**L2Hys**](http://docs.google.com/org/opencv/objdetect/HOGDescriptor.html#L2Hys) |

### Constructor SummaryConstructors

| Constructor and Description |
| --- |
| [**HOGDescriptor**](http://docs.google.com/org/opencv/objdetect/HOGDescriptor.html#HOGDescriptor())() Creates the HOG descriptor and detector with default params. |
| [**HOGDescriptor**](http://docs.google.com/org/opencv/objdetect/HOGDescriptor.html#HOGDescriptor(org.opencv.core.Size,%20org.opencv.core.Size,%20org.opencv.core.Size,%20org.opencv.core.Size,%20int))([Size](http://docs.google.com/org/opencv/core/Size.html) \_winSize, [Size](http://docs.google.com/org/opencv/core/Size.html) \_blockSize, [Size](http://docs.google.com/org/opencv/core/Size.html) \_blockStride, [Size](http://docs.google.com/org/opencv/core/Size.html) \_cellSize, int \_nbins) |
| [**HOGDescriptor**](http://docs.google.com/org/opencv/objdetect/HOGDescriptor.html#HOGDescriptor(org.opencv.core.Size,%20org.opencv.core.Size,%20org.opencv.core.Size,%20org.opencv.core.Size,%20int,%20int))([Size](http://docs.google.com/org/opencv/core/Size.html) \_winSize, [Size](http://docs.google.com/org/opencv/core/Size.html) \_blockSize, [Size](http://docs.google.com/org/opencv/core/Size.html) \_blockStride, [Size](http://docs.google.com/org/opencv/core/Size.html) \_cellSize, int \_nbins, int \_derivAperture) |
| [**HOGDescriptor**](http://docs.google.com/org/opencv/objdetect/HOGDescriptor.html#HOGDescriptor(org.opencv.core.Size,%20org.opencv.core.Size,%20org.opencv.core.Size,%20org.opencv.core.Size,%20int,%20int,%20double))([Size](http://docs.google.com/org/opencv/core/Size.html) \_winSize, [Size](http://docs.google.com/org/opencv/core/Size.html) \_blockSize, [Size](http://docs.google.com/org/opencv/core/Size.html) \_blockStride, [Size](http://docs.google.com/org/opencv/core/Size.html) \_cellSize, int \_nbins, int \_derivAperture, double \_winSigma) |
| [**HOGDescriptor**](http://docs.google.com/org/opencv/objdetect/HOGDescriptor.html#HOGDescriptor(org.opencv.core.Size,%20org.opencv.core.Size,%20org.opencv.core.Size,%20org.opencv.core.Size,%20int,%20int,%20double,%20int))([Size](http://docs.google.com/org/opencv/core/Size.html) \_winSize, [Size](http://docs.google.com/org/opencv/core/Size.html) \_blockSize, [Size](http://docs.google.com/org/opencv/core/Size.html) \_blockStride, [Size](http://docs.google.com/org/opencv/core/Size.html) \_cellSize, int \_nbins, int \_derivAperture, double \_winSigma, int \_histogramNormType) |
| [**HOGDescriptor**](http://docs.google.com/org/opencv/objdetect/HOGDescriptor.html#HOGDescriptor(org.opencv.core.Size,%20org.opencv.core.Size,%20org.opencv.core.Size,%20org.opencv.core.Size,%20int,%20int,%20double,%20int,%20double))([Size](http://docs.google.com/org/opencv/core/Size.html) \_winSize, [Size](http://docs.google.com/org/opencv/core/Size.html) \_blockSize, [Size](http://docs.google.com/org/opencv/core/Size.html) \_blockStride, [Size](http://docs.google.com/org/opencv/core/Size.html) \_cellSize, int \_nbins, int \_derivAperture, double \_winSigma, int \_histogramNormType, double \_L2HysThreshold) |
| [**HOGDescriptor**](http://docs.google.com/org/opencv/objdetect/HOGDescriptor.html#HOGDescriptor(org.opencv.core.Size,%20org.opencv.core.Size,%20org.opencv.core.Size,%20org.opencv.core.Size,%20int,%20int,%20double,%20int,%20double,%20boolean))([Size](http://docs.google.com/org/opencv/core/Size.html) \_winSize, [Size](http://docs.google.com/org/opencv/core/Size.html) \_blockSize, [Size](http://docs.google.com/org/opencv/core/Size.html) \_blockStride, [Size](http://docs.google.com/org/opencv/core/Size.html) \_cellSize, int \_nbins, int \_derivAperture, double \_winSigma, int \_histogramNormType, double \_L2HysThreshold, boolean \_gammaCorrection) |
| [**HOGDescriptor**](http://docs.google.com/org/opencv/objdetect/HOGDescriptor.html#HOGDescriptor(org.opencv.core.Size,%20org.opencv.core.Size,%20org.opencv.core.Size,%20org.opencv.core.Size,%20int,%20int,%20double,%20int,%20double,%20boolean,%20int))([Size](http://docs.google.com/org/opencv/core/Size.html) \_winSize, [Size](http://docs.google.com/org/opencv/core/Size.html) \_blockSize, [Size](http://docs.google.com/org/opencv/core/Size.html) \_blockStride, [Size](http://docs.google.com/org/opencv/core/Size.html) \_cellSize, int \_nbins, int \_derivAperture, double \_winSigma, int \_histogramNormType, double \_L2HysThreshold, boolean \_gammaCorrection, int \_nlevels) |
| [**HOGDescriptor**](http://docs.google.com/org/opencv/objdetect/HOGDescriptor.html#HOGDescriptor(org.opencv.core.Size,%20org.opencv.core.Size,%20org.opencv.core.Size,%20org.opencv.core.Size,%20int,%20int,%20double,%20int,%20double,%20boolean,%20int,%20boolean))([Size](http://docs.google.com/org/opencv/core/Size.html) \_winSize, [Size](http://docs.google.com/org/opencv/core/Size.html) \_blockSize, [Size](http://docs.google.com/org/opencv/core/Size.html) \_blockStride, [Size](http://docs.google.com/org/opencv/core/Size.html) \_cellSize, int \_nbins, int \_derivAperture, double \_winSigma, int \_histogramNormType, double \_L2HysThreshold, boolean \_gammaCorrection, int \_nlevels, boolean \_signedGradient) |
| [**HOGDescriptor**](http://docs.google.com/org/opencv/objdetect/HOGDescriptor.html#HOGDescriptor(java.lang.String))(java.lang.String filename) |

### Method SummaryMethods

| Modifier and Type | Method and Description |
| --- | --- |
| static [HOGDescriptor](http://docs.google.com/org/opencv/objdetect/HOGDescriptor.html) | [**\_\_fromPtr\_\_**](http://docs.google.com/org/opencv/objdetect/HOGDescriptor.html#__fromPtr__(long))(long addr) |
| boolean | [**checkDetectorSize**](http://docs.google.com/org/opencv/objdetect/HOGDescriptor.html#checkDetectorSize())() Checks if detector size equal to descriptor size. |
| void | [**compute**](http://docs.google.com/org/opencv/objdetect/HOGDescriptor.html#compute(org.opencv.core.Mat,%20org.opencv.core.MatOfFloat))([Mat](http://docs.google.com/org/opencv/core/Mat.html) img, [MatOfFloat](http://docs.google.com/org/opencv/core/MatOfFloat.html) descriptors) Computes HOG descriptors of given image. |
| void | [**compute**](http://docs.google.com/org/opencv/objdetect/HOGDescriptor.html#compute(org.opencv.core.Mat,%20org.opencv.core.MatOfFloat,%20org.opencv.core.Size))([Mat](http://docs.google.com/org/opencv/core/Mat.html) img, [MatOfFloat](http://docs.google.com/org/opencv/core/MatOfFloat.html) descriptors, [Size](http://docs.google.com/org/opencv/core/Size.html) winStride) Computes HOG descriptors of given image. |
| void | [**compute**](http://docs.google.com/org/opencv/objdetect/HOGDescriptor.html#compute(org.opencv.core.Mat,%20org.opencv.core.MatOfFloat,%20org.opencv.core.Size,%20org.opencv.core.Size))([Mat](http://docs.google.com/org/opencv/core/Mat.html) img, [MatOfFloat](http://docs.google.com/org/opencv/core/MatOfFloat.html) descriptors, [Size](http://docs.google.com/org/opencv/core/Size.html) winStride, [Size](http://docs.google.com/org/opencv/core/Size.html) padding) Computes HOG descriptors of given image. |
| void | [**compute**](http://docs.google.com/org/opencv/objdetect/HOGDescriptor.html#compute(org.opencv.core.Mat,%20org.opencv.core.MatOfFloat,%20org.opencv.core.Size,%20org.opencv.core.Size,%20org.opencv.core.MatOfPoint))([Mat](http://docs.google.com/org/opencv/core/Mat.html) img, [MatOfFloat](http://docs.google.com/org/opencv/core/MatOfFloat.html) descriptors, [Size](http://docs.google.com/org/opencv/core/Size.html) winStride, [Size](http://docs.google.com/org/opencv/core/Size.html) padding, [MatOfPoint](http://docs.google.com/org/opencv/core/MatOfPoint.html) locations) Computes HOG descriptors of given image. |
| void | [**computeGradient**](http://docs.google.com/org/opencv/objdetect/HOGDescriptor.html#computeGradient(org.opencv.core.Mat,%20org.opencv.core.Mat,%20org.opencv.core.Mat))([Mat](http://docs.google.com/org/opencv/core/Mat.html) img, [Mat](http://docs.google.com/org/opencv/core/Mat.html) grad, [Mat](http://docs.google.com/org/opencv/core/Mat.html) angleOfs) Computes gradients and quantized gradient orientations. |
| void | [**computeGradient**](http://docs.google.com/org/opencv/objdetect/HOGDescriptor.html#computeGradient(org.opencv.core.Mat,%20org.opencv.core.Mat,%20org.opencv.core.Mat,%20org.opencv.core.Size))([Mat](http://docs.google.com/org/opencv/core/Mat.html) img, [Mat](http://docs.google.com/org/opencv/core/Mat.html) grad, [Mat](http://docs.google.com/org/opencv/core/Mat.html) angleOfs, [Size](http://docs.google.com/org/opencv/core/Size.html) paddingTL) Computes gradients and quantized gradient orientations. |
| void | [**computeGradient**](http://docs.google.com/org/opencv/objdetect/HOGDescriptor.html#computeGradient(org.opencv.core.Mat,%20org.opencv.core.Mat,%20org.opencv.core.Mat,%20org.opencv.core.Size,%20org.opencv.core.Size))([Mat](http://docs.google.com/org/opencv/core/Mat.html) img, [Mat](http://docs.google.com/org/opencv/core/Mat.html) grad, [Mat](http://docs.google.com/org/opencv/core/Mat.html) angleOfs, [Size](http://docs.google.com/org/opencv/core/Size.html) paddingTL, [Size](http://docs.google.com/org/opencv/core/Size.html) paddingBR) Computes gradients and quantized gradient orientations. |
| void | [**detect**](http://docs.google.com/org/opencv/objdetect/HOGDescriptor.html#detect(org.opencv.core.Mat,%20org.opencv.core.MatOfPoint,%20org.opencv.core.MatOfDouble))([Mat](http://docs.google.com/org/opencv/core/Mat.html) img, [MatOfPoint](http://docs.google.com/org/opencv/core/MatOfPoint.html) foundLocations, [MatOfDouble](http://docs.google.com/org/opencv/core/MatOfDouble.html) weights) Performs object detection without a multi-scale window. |
| void | [**detect**](http://docs.google.com/org/opencv/objdetect/HOGDescriptor.html#detect(org.opencv.core.Mat,%20org.opencv.core.MatOfPoint,%20org.opencv.core.MatOfDouble,%20double))([Mat](http://docs.google.com/org/opencv/core/Mat.html) img, [MatOfPoint](http://docs.google.com/org/opencv/core/MatOfPoint.html) foundLocations, [MatOfDouble](http://docs.google.com/org/opencv/core/MatOfDouble.html) weights, double hitThreshold) Performs object detection without a multi-scale window. |
| void | [**detect**](http://docs.google.com/org/opencv/objdetect/HOGDescriptor.html#detect(org.opencv.core.Mat,%20org.opencv.core.MatOfPoint,%20org.opencv.core.MatOfDouble,%20double,%20org.opencv.core.Size))([Mat](http://docs.google.com/org/opencv/core/Mat.html) img, [MatOfPoint](http://docs.google.com/org/opencv/core/MatOfPoint.html) foundLocations, [MatOfDouble](http://docs.google.com/org/opencv/core/MatOfDouble.html) weights, double hitThreshold, [Size](http://docs.google.com/org/opencv/core/Size.html) winStride) Performs object detection without a multi-scale window. |
| void | [**detect**](http://docs.google.com/org/opencv/objdetect/HOGDescriptor.html#detect(org.opencv.core.Mat,%20org.opencv.core.MatOfPoint,%20org.opencv.core.MatOfDouble,%20double,%20org.opencv.core.Size,%20org.opencv.core.Size))([Mat](http://docs.google.com/org/opencv/core/Mat.html) img, [MatOfPoint](http://docs.google.com/org/opencv/core/MatOfPoint.html) foundLocations, [MatOfDouble](http://docs.google.com/org/opencv/core/MatOfDouble.html) weights, double hitThreshold, [Size](http://docs.google.com/org/opencv/core/Size.html) winStride, [Size](http://docs.google.com/org/opencv/core/Size.html) padding) Performs object detection without a multi-scale window. |
| void | [**detect**](http://docs.google.com/org/opencv/objdetect/HOGDescriptor.html#detect(org.opencv.core.Mat,%20org.opencv.core.MatOfPoint,%20org.opencv.core.MatOfDouble,%20double,%20org.opencv.core.Size,%20org.opencv.core.Size,%20org.opencv.core.MatOfPoint))([Mat](http://docs.google.com/org/opencv/core/Mat.html) img, [MatOfPoint](http://docs.google.com/org/opencv/core/MatOfPoint.html) foundLocations, [MatOfDouble](http://docs.google.com/org/opencv/core/MatOfDouble.html) weights, double hitThreshold, [Size](http://docs.google.com/org/opencv/core/Size.html) winStride, [Size](http://docs.google.com/org/opencv/core/Size.html) padding, [MatOfPoint](http://docs.google.com/org/opencv/core/MatOfPoint.html) searchLocations) Performs object detection without a multi-scale window. |
| void | [**detectMultiScale**](http://docs.google.com/org/opencv/objdetect/HOGDescriptor.html#detectMultiScale(org.opencv.core.Mat,%20org.opencv.core.MatOfRect,%20org.opencv.core.MatOfDouble))([Mat](http://docs.google.com/org/opencv/core/Mat.html) img, [MatOfRect](http://docs.google.com/org/opencv/core/MatOfRect.html) foundLocations, [MatOfDouble](http://docs.google.com/org/opencv/core/MatOfDouble.html) foundWeights) Detects objects of different sizes in the input image. |
| void | [**detectMultiScale**](http://docs.google.com/org/opencv/objdetect/HOGDescriptor.html#detectMultiScale(org.opencv.core.Mat,%20org.opencv.core.MatOfRect,%20org.opencv.core.MatOfDouble,%20double))([Mat](http://docs.google.com/org/opencv/core/Mat.html) img, [MatOfRect](http://docs.google.com/org/opencv/core/MatOfRect.html) foundLocations, [MatOfDouble](http://docs.google.com/org/opencv/core/MatOfDouble.html) foundWeights, double hitThreshold) Detects objects of different sizes in the input image. |
| void | [**detectMultiScale**](http://docs.google.com/org/opencv/objdetect/HOGDescriptor.html#detectMultiScale(org.opencv.core.Mat,%20org.opencv.core.MatOfRect,%20org.opencv.core.MatOfDouble,%20double,%20org.opencv.core.Size))([Mat](http://docs.google.com/org/opencv/core/Mat.html) img, [MatOfRect](http://docs.google.com/org/opencv/core/MatOfRect.html) foundLocations, [MatOfDouble](http://docs.google.com/org/opencv/core/MatOfDouble.html) foundWeights, double hitThreshold, [Size](http://docs.google.com/org/opencv/core/Size.html) winStride) Detects objects of different sizes in the input image. |
| void | [**detectMultiScale**](http://docs.google.com/org/opencv/objdetect/HOGDescriptor.html#detectMultiScale(org.opencv.core.Mat,%20org.opencv.core.MatOfRect,%20org.opencv.core.MatOfDouble,%20double,%20org.opencv.core.Size,%20org.opencv.core.Size))([Mat](http://docs.google.com/org/opencv/core/Mat.html) img, [MatOfRect](http://docs.google.com/org/opencv/core/MatOfRect.html) foundLocations, [MatOfDouble](http://docs.google.com/org/opencv/core/MatOfDouble.html) foundWeights, double hitThreshold, [Size](http://docs.google.com/org/opencv/core/Size.html) winStride, [Size](http://docs.google.com/org/opencv/core/Size.html) padding) Detects objects of different sizes in the input image. |
| void | [**detectMultiScale**](http://docs.google.com/org/opencv/objdetect/HOGDescriptor.html#detectMultiScale(org.opencv.core.Mat,%20org.opencv.core.MatOfRect,%20org.opencv.core.MatOfDouble,%20double,%20org.opencv.core.Size,%20org.opencv.core.Size,%20double))([Mat](http://docs.google.com/org/opencv/core/Mat.html) img, [MatOfRect](http://docs.google.com/org/opencv/core/MatOfRect.html) foundLocations, [MatOfDouble](http://docs.google.com/org/opencv/core/MatOfDouble.html) foundWeights, double hitThreshold, [Size](http://docs.google.com/org/opencv/core/Size.html) winStride, [Size](http://docs.google.com/org/opencv/core/Size.html) padding, double scale) Detects objects of different sizes in the input image. |
| void | [**detectMultiScale**](http://docs.google.com/org/opencv/objdetect/HOGDescriptor.html#detectMultiScale(org.opencv.core.Mat,%20org.opencv.core.MatOfRect,%20org.opencv.core.MatOfDouble,%20double,%20org.opencv.core.Size,%20org.opencv.core.Size,%20double,%20double))([Mat](http://docs.google.com/org/opencv/core/Mat.html) img, [MatOfRect](http://docs.google.com/org/opencv/core/MatOfRect.html) foundLocations, [MatOfDouble](http://docs.google.com/org/opencv/core/MatOfDouble.html) foundWeights, double hitThreshold, [Size](http://docs.google.com/org/opencv/core/Size.html) winStride, [Size](http://docs.google.com/org/opencv/core/Size.html) padding, double scale, double finalThreshold) Detects objects of different sizes in the input image. |
| void | [**detectMultiScale**](http://docs.google.com/org/opencv/objdetect/HOGDescriptor.html#detectMultiScale(org.opencv.core.Mat,%20org.opencv.core.MatOfRect,%20org.opencv.core.MatOfDouble,%20double,%20org.opencv.core.Size,%20org.opencv.core.Size,%20double,%20double,%20boolean))([Mat](http://docs.google.com/org/opencv/core/Mat.html) img, [MatOfRect](http://docs.google.com/org/opencv/core/MatOfRect.html) foundLocations, [MatOfDouble](http://docs.google.com/org/opencv/core/MatOfDouble.html) foundWeights, double hitThreshold, [Size](http://docs.google.com/org/opencv/core/Size.html) winStride, [Size](http://docs.google.com/org/opencv/core/Size.html) padding, double scale, double finalThreshold, boolean useMeanshiftGrouping) Detects objects of different sizes in the input image. |
| [Size](http://docs.google.com/org/opencv/core/Size.html) | [**get\_blockSize**](http://docs.google.com/org/opencv/objdetect/HOGDescriptor.html#get_blockSize())() |
| [Size](http://docs.google.com/org/opencv/core/Size.html) | [**get\_blockStride**](http://docs.google.com/org/opencv/objdetect/HOGDescriptor.html#get_blockStride())() |
| [Size](http://docs.google.com/org/opencv/core/Size.html) | [**get\_cellSize**](http://docs.google.com/org/opencv/objdetect/HOGDescriptor.html#get_cellSize())() |
| int | [**get\_derivAperture**](http://docs.google.com/org/opencv/objdetect/HOGDescriptor.html#get_derivAperture())() |
| boolean | [**get\_gammaCorrection**](http://docs.google.com/org/opencv/objdetect/HOGDescriptor.html#get_gammaCorrection())() |
| int | [**get\_histogramNormType**](http://docs.google.com/org/opencv/objdetect/HOGDescriptor.html#get_histogramNormType())() |
| double | [**get\_L2HysThreshold**](http://docs.google.com/org/opencv/objdetect/HOGDescriptor.html#get_L2HysThreshold())() |
| int | [**get\_nbins**](http://docs.google.com/org/opencv/objdetect/HOGDescriptor.html#get_nbins())() |
| int | [**get\_nlevels**](http://docs.google.com/org/opencv/objdetect/HOGDescriptor.html#get_nlevels())() |
| boolean | [**get\_signedGradient**](http://docs.google.com/org/opencv/objdetect/HOGDescriptor.html#get_signedGradient())() |
| [MatOfFloat](http://docs.google.com/org/opencv/core/MatOfFloat.html) | [**get\_svmDetector**](http://docs.google.com/org/opencv/objdetect/HOGDescriptor.html#get_svmDetector())() |
| double | [**get\_winSigma**](http://docs.google.com/org/opencv/objdetect/HOGDescriptor.html#get_winSigma())() |
| [Size](http://docs.google.com/org/opencv/core/Size.html) | [**get\_winSize**](http://docs.google.com/org/opencv/objdetect/HOGDescriptor.html#get_winSize())() |
| static [MatOfFloat](http://docs.google.com/org/opencv/core/MatOfFloat.html) | [**getDaimlerPeopleDetector**](http://docs.google.com/org/opencv/objdetect/HOGDescriptor.html#getDaimlerPeopleDetector())() Returns coefficients of the classifier trained for people detection (for 48x96 windows). |
| static [MatOfFloat](http://docs.google.com/org/opencv/core/MatOfFloat.html) | [**getDefaultPeopleDetector**](http://docs.google.com/org/opencv/objdetect/HOGDescriptor.html#getDefaultPeopleDetector())() Returns coefficients of the classifier trained for people detection (for 64x128 windows). |
| long | [**getDescriptorSize**](http://docs.google.com/org/opencv/objdetect/HOGDescriptor.html#getDescriptorSize())() Returns the number of coefficients required for the classification. |
| long | [**getNativeObjAddr**](http://docs.google.com/org/opencv/objdetect/HOGDescriptor.html#getNativeObjAddr())() |
| double | [**getWinSigma**](http://docs.google.com/org/opencv/objdetect/HOGDescriptor.html#getWinSigma())() Returns winSigma value |
| boolean | [**load**](http://docs.google.com/org/opencv/objdetect/HOGDescriptor.html#load(java.lang.String))(java.lang.String filename) loads coefficients for the linear SVM classifier from a file |
| boolean | [**load**](http://docs.google.com/org/opencv/objdetect/HOGDescriptor.html#load(java.lang.String,%20java.lang.String))(java.lang.String filename, java.lang.String objname) loads coefficients for the linear SVM classifier from a file |
| void | [**save**](http://docs.google.com/org/opencv/objdetect/HOGDescriptor.html#save(java.lang.String))(java.lang.String filename) saves coefficients for the linear SVM classifier to a file |
| void | [**save**](http://docs.google.com/org/opencv/objdetect/HOGDescriptor.html#save(java.lang.String,%20java.lang.String))(java.lang.String filename, java.lang.String objname) saves coefficients for the linear SVM classifier to a file |
| void | [**setSVMDetector**](http://docs.google.com/org/opencv/objdetect/HOGDescriptor.html#setSVMDetector(org.opencv.core.Mat))([Mat](http://docs.google.com/org/opencv/core/Mat.html) \_svmdetector) Sets coefficients for the linear SVM classifier. |

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

### Field Detail

#### DEFAULT\_NLEVELS public static final int DEFAULT\_NLEVELSSee Also:[Constant Field Values](http://docs.google.com/constant-values.html#org.opencv.objdetect.HOGDescriptor.DEFAULT_NLEVELS)

#### L2Hys public static final int L2HysSee Also:[Constant Field Values](http://docs.google.com/constant-values.html#org.opencv.objdetect.HOGDescriptor.L2Hys)

### Constructor Detail

#### HOGDescriptor public HOGDescriptor() Creates the HOG descriptor and detector with default params. aqual to HOGDescriptor(Size(64,128), Size(16,16), Size(8,8), Size(8,8), 9, 1 )

#### HOGDescriptor public HOGDescriptor([Size](http://docs.google.com/org/opencv/core/Size.html) \_winSize, [Size](http://docs.google.com/org/opencv/core/Size.html) \_blockSize, [Size](http://docs.google.com/org/opencv/core/Size.html) \_blockStride, [Size](http://docs.google.com/org/opencv/core/Size.html) \_cellSize, int \_nbins)Parameters:\_winSize - sets winSize with given value.\_blockSize - sets blockSize with given value.\_blockStride - sets blockStride with given value.\_cellSize - sets cellSize with given value.\_nbins - sets nbins with given value.

#### HOGDescriptor public HOGDescriptor([Size](http://docs.google.com/org/opencv/core/Size.html) \_winSize, [Size](http://docs.google.com/org/opencv/core/Size.html) \_blockSize, [Size](http://docs.google.com/org/opencv/core/Size.html) \_blockStride, [Size](http://docs.google.com/org/opencv/core/Size.html) \_cellSize, int \_nbins, int \_derivAperture)Parameters:\_winSize - sets winSize with given value.\_blockSize - sets blockSize with given value.\_blockStride - sets blockStride with given value.\_cellSize - sets cellSize with given value.\_nbins - sets nbins with given value.\_derivAperture - sets derivAperture with given value.

#### HOGDescriptor public HOGDescriptor([Size](http://docs.google.com/org/opencv/core/Size.html) \_winSize, [Size](http://docs.google.com/org/opencv/core/Size.html) \_blockSize, [Size](http://docs.google.com/org/opencv/core/Size.html) \_blockStride, [Size](http://docs.google.com/org/opencv/core/Size.html) \_cellSize, int \_nbins, int \_derivAperture, double \_winSigma)Parameters:\_winSize - sets winSize with given value.\_blockSize - sets blockSize with given value.\_blockStride - sets blockStride with given value.\_cellSize - sets cellSize with given value.\_nbins - sets nbins with given value.\_derivAperture - sets derivAperture with given value.\_winSigma - sets winSigma with given value.

#### HOGDescriptor public HOGDescriptor([Size](http://docs.google.com/org/opencv/core/Size.html) \_winSize, [Size](http://docs.google.com/org/opencv/core/Size.html) \_blockSize, [Size](http://docs.google.com/org/opencv/core/Size.html) \_blockStride, [Size](http://docs.google.com/org/opencv/core/Size.html) \_cellSize, int \_nbins, int \_derivAperture, double \_winSigma, int \_histogramNormType)Parameters:\_winSize - sets winSize with given value.\_blockSize - sets blockSize with given value.\_blockStride - sets blockStride with given value.\_cellSize - sets cellSize with given value.\_nbins - sets nbins with given value.\_derivAperture - sets derivAperture with given value.\_winSigma - sets winSigma with given value.\_histogramNormType - sets histogramNormType with given value.

#### HOGDescriptor public HOGDescriptor([Size](http://docs.google.com/org/opencv/core/Size.html) \_winSize, [Size](http://docs.google.com/org/opencv/core/Size.html) \_blockSize, [Size](http://docs.google.com/org/opencv/core/Size.html) \_blockStride, [Size](http://docs.google.com/org/opencv/core/Size.html) \_cellSize, int \_nbins, int \_derivAperture, double \_winSigma, int \_histogramNormType, double \_L2HysThreshold)Parameters:\_winSize - sets winSize with given value.\_blockSize - sets blockSize with given value.\_blockStride - sets blockStride with given value.\_cellSize - sets cellSize with given value.\_nbins - sets nbins with given value.\_derivAperture - sets derivAperture with given value.\_winSigma - sets winSigma with given value.\_histogramNormType - sets histogramNormType with given value.\_L2HysThreshold - sets L2HysThreshold with given value.

#### HOGDescriptor public HOGDescriptor([Size](http://docs.google.com/org/opencv/core/Size.html) \_winSize, [Size](http://docs.google.com/org/opencv/core/Size.html) \_blockSize, [Size](http://docs.google.com/org/opencv/core/Size.html) \_blockStride, [Size](http://docs.google.com/org/opencv/core/Size.html) \_cellSize, int \_nbins, int \_derivAperture, double \_winSigma, int \_histogramNormType, double \_L2HysThreshold, boolean \_gammaCorrection)Parameters:\_winSize - sets winSize with given value.\_blockSize - sets blockSize with given value.\_blockStride - sets blockStride with given value.\_cellSize - sets cellSize with given value.\_nbins - sets nbins with given value.\_derivAperture - sets derivAperture with given value.\_winSigma - sets winSigma with given value.\_histogramNormType - sets histogramNormType with given value.\_L2HysThreshold - sets L2HysThreshold with given value.\_gammaCorrection - sets gammaCorrection with given value.

#### HOGDescriptor public HOGDescriptor([Size](http://docs.google.com/org/opencv/core/Size.html) \_winSize, [Size](http://docs.google.com/org/opencv/core/Size.html) \_blockSize, [Size](http://docs.google.com/org/opencv/core/Size.html) \_blockStride, [Size](http://docs.google.com/org/opencv/core/Size.html) \_cellSize, int \_nbins, int \_derivAperture, double \_winSigma, int \_histogramNormType, double \_L2HysThreshold, boolean \_gammaCorrection, int \_nlevels)Parameters:\_winSize - sets winSize with given value.\_blockSize - sets blockSize with given value.\_blockStride - sets blockStride with given value.\_cellSize - sets cellSize with given value.\_nbins - sets nbins with given value.\_derivAperture - sets derivAperture with given value.\_winSigma - sets winSigma with given value.\_histogramNormType - sets histogramNormType with given value.\_L2HysThreshold - sets L2HysThreshold with given value.\_gammaCorrection - sets gammaCorrection with given value.\_nlevels - sets nlevels with given value.

#### HOGDescriptor public HOGDescriptor([Size](http://docs.google.com/org/opencv/core/Size.html) \_winSize, [Size](http://docs.google.com/org/opencv/core/Size.html) \_blockSize, [Size](http://docs.google.com/org/opencv/core/Size.html) \_blockStride, [Size](http://docs.google.com/org/opencv/core/Size.html) \_cellSize, int \_nbins, int \_derivAperture, double \_winSigma, int \_histogramNormType, double \_L2HysThreshold, boolean \_gammaCorrection, int \_nlevels, boolean \_signedGradient)Parameters:\_winSize - sets winSize with given value.\_blockSize - sets blockSize with given value.\_blockStride - sets blockStride with given value.\_cellSize - sets cellSize with given value.\_nbins - sets nbins with given value.\_derivAperture - sets derivAperture with given value.\_winSigma - sets winSigma with given value.\_histogramNormType - sets histogramNormType with given value.\_L2HysThreshold - sets L2HysThreshold with given value.\_gammaCorrection - sets gammaCorrection with given value.\_nlevels - sets nlevels with given value.\_signedGradient - sets signedGradient with given value.

#### HOGDescriptor public HOGDescriptor(java.lang.String filename)Parameters:filename - the file name containing HOGDescriptor properties and coefficients of the trained classifier

### Method Detail

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

#### checkDetectorSize public boolean checkDetectorSize() Checks if detector size equal to descriptor size.Returns:automatically generated

#### compute public void compute([Mat](http://docs.google.com/org/opencv/core/Mat.html) img, [MatOfFloat](http://docs.google.com/org/opencv/core/MatOfFloat.html) descriptors) Computes HOG descriptors of given image.Parameters:img - Matrix of the type CV\_8U containing an image where HOG features will be calculated.descriptors - Matrix of the type CV\_32F

#### compute public void compute([Mat](http://docs.google.com/org/opencv/core/Mat.html) img, [MatOfFloat](http://docs.google.com/org/opencv/core/MatOfFloat.html) descriptors, [Size](http://docs.google.com/org/opencv/core/Size.html) winStride) Computes HOG descriptors of given image.Parameters:img - Matrix of the type CV\_8U containing an image where HOG features will be calculated.descriptors - Matrix of the type CV\_32FwinStride - Window stride. It must be a multiple of block stride.

#### compute public void compute([Mat](http://docs.google.com/org/opencv/core/Mat.html) img, [MatOfFloat](http://docs.google.com/org/opencv/core/MatOfFloat.html) descriptors, [Size](http://docs.google.com/org/opencv/core/Size.html) winStride, [Size](http://docs.google.com/org/opencv/core/Size.html) padding) Computes HOG descriptors of given image.Parameters:img - Matrix of the type CV\_8U containing an image where HOG features will be calculated.descriptors - Matrix of the type CV\_32FwinStride - Window stride. It must be a multiple of block stride.padding - Padding

#### compute public void compute([Mat](http://docs.google.com/org/opencv/core/Mat.html) img, [MatOfFloat](http://docs.google.com/org/opencv/core/MatOfFloat.html) descriptors, [Size](http://docs.google.com/org/opencv/core/Size.html) winStride, [Size](http://docs.google.com/org/opencv/core/Size.html) padding, [MatOfPoint](http://docs.google.com/org/opencv/core/MatOfPoint.html) locations) Computes HOG descriptors of given image.Parameters:img - Matrix of the type CV\_8U containing an image where HOG features will be calculated.descriptors - Matrix of the type CV\_32FwinStride - Window stride. It must be a multiple of block stride.padding - Paddinglocations - Vector of Point

#### computeGradient public void computeGradient([Mat](http://docs.google.com/org/opencv/core/Mat.html) img, [Mat](http://docs.google.com/org/opencv/core/Mat.html) grad, [Mat](http://docs.google.com/org/opencv/core/Mat.html) angleOfs) Computes gradients and quantized gradient orientations.Parameters:img - Matrix contains the image to be computedgrad - Matrix of type CV\_32FC2 contains computed gradientsangleOfs - Matrix of type CV\_8UC2 contains quantized gradient orientations

#### computeGradient public void computeGradient([Mat](http://docs.google.com/org/opencv/core/Mat.html) img, [Mat](http://docs.google.com/org/opencv/core/Mat.html) grad, [Mat](http://docs.google.com/org/opencv/core/Mat.html) angleOfs, [Size](http://docs.google.com/org/opencv/core/Size.html) paddingTL) Computes gradients and quantized gradient orientations.Parameters:img - Matrix contains the image to be computedgrad - Matrix of type CV\_32FC2 contains computed gradientsangleOfs - Matrix of type CV\_8UC2 contains quantized gradient orientationspaddingTL - Padding from top-left

#### computeGradient public void computeGradient([Mat](http://docs.google.com/org/opencv/core/Mat.html) img, [Mat](http://docs.google.com/org/opencv/core/Mat.html) grad, [Mat](http://docs.google.com/org/opencv/core/Mat.html) angleOfs, [Size](http://docs.google.com/org/opencv/core/Size.html) paddingTL, [Size](http://docs.google.com/org/opencv/core/Size.html) paddingBR) Computes gradients and quantized gradient orientations.Parameters:img - Matrix contains the image to be computedgrad - Matrix of type CV\_32FC2 contains computed gradientsangleOfs - Matrix of type CV\_8UC2 contains quantized gradient orientationspaddingTL - Padding from top-leftpaddingBR - Padding from bottom-right

#### detect public void detect([Mat](http://docs.google.com/org/opencv/core/Mat.html) img, [MatOfPoint](http://docs.google.com/org/opencv/core/MatOfPoint.html) foundLocations, [MatOfDouble](http://docs.google.com/org/opencv/core/MatOfDouble.html) weights) Performs object detection without a multi-scale window.Parameters:img - Matrix of the type CV\_8U or CV\_8UC3 containing an image where objects are detected.foundLocations - Vector of point where each point contains left-top corner point of detected object boundaries.weights - Vector that will contain confidence values for each detected object. Usually it is 0 and should be specified in the detector coefficients (as the last free coefficient). But if the free coefficient is omitted (which is allowed), you can specify it manually here.

#### detect public void detect([Mat](http://docs.google.com/org/opencv/core/Mat.html) img, [MatOfPoint](http://docs.google.com/org/opencv/core/MatOfPoint.html) foundLocations, [MatOfDouble](http://docs.google.com/org/opencv/core/MatOfDouble.html) weights, double hitThreshold) Performs object detection without a multi-scale window.Parameters:img - Matrix of the type CV\_8U or CV\_8UC3 containing an image where objects are detected.foundLocations - Vector of point where each point contains left-top corner point of detected object boundaries.weights - Vector that will contain confidence values for each detected object.hitThreshold - Threshold for the distance between features and SVM classifying plane. Usually it is 0 and should be specified in the detector coefficients (as the last free coefficient). But if the free coefficient is omitted (which is allowed), you can specify it manually here.

#### detect public void detect([Mat](http://docs.google.com/org/opencv/core/Mat.html) img, [MatOfPoint](http://docs.google.com/org/opencv/core/MatOfPoint.html) foundLocations, [MatOfDouble](http://docs.google.com/org/opencv/core/MatOfDouble.html) weights, double hitThreshold, [Size](http://docs.google.com/org/opencv/core/Size.html) winStride) Performs object detection without a multi-scale window.Parameters:img - Matrix of the type CV\_8U or CV\_8UC3 containing an image where objects are detected.foundLocations - Vector of point where each point contains left-top corner point of detected object boundaries.weights - Vector that will contain confidence values for each detected object.hitThreshold - Threshold for the distance between features and SVM classifying plane. Usually it is 0 and should be specified in the detector coefficients (as the last free coefficient). But if the free coefficient is omitted (which is allowed), you can specify it manually here.winStride - Window stride. It must be a multiple of block stride.

#### detect public void detect([Mat](http://docs.google.com/org/opencv/core/Mat.html) img, [MatOfPoint](http://docs.google.com/org/opencv/core/MatOfPoint.html) foundLocations, [MatOfDouble](http://docs.google.com/org/opencv/core/MatOfDouble.html) weights, double hitThreshold, [Size](http://docs.google.com/org/opencv/core/Size.html) winStride, [Size](http://docs.google.com/org/opencv/core/Size.html) padding) Performs object detection without a multi-scale window.Parameters:img - Matrix of the type CV\_8U or CV\_8UC3 containing an image where objects are detected.foundLocations - Vector of point where each point contains left-top corner point of detected object boundaries.weights - Vector that will contain confidence values for each detected object.hitThreshold - Threshold for the distance between features and SVM classifying plane. Usually it is 0 and should be specified in the detector coefficients (as the last free coefficient). But if the free coefficient is omitted (which is allowed), you can specify it manually here.winStride - Window stride. It must be a multiple of block stride.padding - Padding

#### detect public void detect([Mat](http://docs.google.com/org/opencv/core/Mat.html) img, [MatOfPoint](http://docs.google.com/org/opencv/core/MatOfPoint.html) foundLocations, [MatOfDouble](http://docs.google.com/org/opencv/core/MatOfDouble.html) weights, double hitThreshold, [Size](http://docs.google.com/org/opencv/core/Size.html) winStride, [Size](http://docs.google.com/org/opencv/core/Size.html) padding, [MatOfPoint](http://docs.google.com/org/opencv/core/MatOfPoint.html) searchLocations) Performs object detection without a multi-scale window.Parameters:img - Matrix of the type CV\_8U or CV\_8UC3 containing an image where objects are detected.foundLocations - Vector of point where each point contains left-top corner point of detected object boundaries.weights - Vector that will contain confidence values for each detected object.hitThreshold - Threshold for the distance between features and SVM classifying plane. Usually it is 0 and should be specified in the detector coefficients (as the last free coefficient). But if the free coefficient is omitted (which is allowed), you can specify it manually here.winStride - Window stride. It must be a multiple of block stride.padding - PaddingsearchLocations - Vector of Point includes set of requested locations to be evaluated.

#### detectMultiScale public void detectMultiScale([Mat](http://docs.google.com/org/opencv/core/Mat.html) img, [MatOfRect](http://docs.google.com/org/opencv/core/MatOfRect.html) foundLocations, [MatOfDouble](http://docs.google.com/org/opencv/core/MatOfDouble.html) foundWeights) Detects objects of different sizes in the input image. The detected objects are returned as a list of rectangles.Parameters:img - Matrix of the type CV\_8U or CV\_8UC3 containing an image where objects are detected.foundLocations - Vector of rectangles where each rectangle contains the detected object.foundWeights - Vector that will contain confidence values for each detected object. Usually it is 0 and should be specified in the detector coefficients (as the last free coefficient). But if the free coefficient is omitted (which is allowed), you can specify it manually here.

#### detectMultiScale public void detectMultiScale([Mat](http://docs.google.com/org/opencv/core/Mat.html) img, [MatOfRect](http://docs.google.com/org/opencv/core/MatOfRect.html) foundLocations, [MatOfDouble](http://docs.google.com/org/opencv/core/MatOfDouble.html) foundWeights, double hitThreshold) Detects objects of different sizes in the input image. The detected objects are returned as a list of rectangles.Parameters:img - Matrix of the type CV\_8U or CV\_8UC3 containing an image where objects are detected.foundLocations - Vector of rectangles where each rectangle contains the detected object.foundWeights - Vector that will contain confidence values for each detected object.hitThreshold - Threshold for the distance between features and SVM classifying plane. Usually it is 0 and should be specified in the detector coefficients (as the last free coefficient). But if the free coefficient is omitted (which is allowed), you can specify it manually here.

#### detectMultiScale public void detectMultiScale([Mat](http://docs.google.com/org/opencv/core/Mat.html) img, [MatOfRect](http://docs.google.com/org/opencv/core/MatOfRect.html) foundLocations, [MatOfDouble](http://docs.google.com/org/opencv/core/MatOfDouble.html) foundWeights, double hitThreshold, [Size](http://docs.google.com/org/opencv/core/Size.html) winStride) Detects objects of different sizes in the input image. The detected objects are returned as a list of rectangles.Parameters:img - Matrix of the type CV\_8U or CV\_8UC3 containing an image where objects are detected.foundLocations - Vector of rectangles where each rectangle contains the detected object.foundWeights - Vector that will contain confidence values for each detected object.hitThreshold - Threshold for the distance between features and SVM classifying plane. Usually it is 0 and should be specified in the detector coefficients (as the last free coefficient). But if the free coefficient is omitted (which is allowed), you can specify it manually here.winStride - Window stride. It must be a multiple of block stride.

#### detectMultiScale public void detectMultiScale([Mat](http://docs.google.com/org/opencv/core/Mat.html) img, [MatOfRect](http://docs.google.com/org/opencv/core/MatOfRect.html) foundLocations, [MatOfDouble](http://docs.google.com/org/opencv/core/MatOfDouble.html) foundWeights, double hitThreshold, [Size](http://docs.google.com/org/opencv/core/Size.html) winStride, [Size](http://docs.google.com/org/opencv/core/Size.html) padding) Detects objects of different sizes in the input image. The detected objects are returned as a list of rectangles.Parameters:img - Matrix of the type CV\_8U or CV\_8UC3 containing an image where objects are detected.foundLocations - Vector of rectangles where each rectangle contains the detected object.foundWeights - Vector that will contain confidence values for each detected object.hitThreshold - Threshold for the distance between features and SVM classifying plane. Usually it is 0 and should be specified in the detector coefficients (as the last free coefficient). But if the free coefficient is omitted (which is allowed), you can specify it manually here.winStride - Window stride. It must be a multiple of block stride.padding - Padding

#### detectMultiScale public void detectMultiScale([Mat](http://docs.google.com/org/opencv/core/Mat.html) img, [MatOfRect](http://docs.google.com/org/opencv/core/MatOfRect.html) foundLocations, [MatOfDouble](http://docs.google.com/org/opencv/core/MatOfDouble.html) foundWeights, double hitThreshold, [Size](http://docs.google.com/org/opencv/core/Size.html) winStride, [Size](http://docs.google.com/org/opencv/core/Size.html) padding, double scale) Detects objects of different sizes in the input image. The detected objects are returned as a list of rectangles.Parameters:img - Matrix of the type CV\_8U or CV\_8UC3 containing an image where objects are detected.foundLocations - Vector of rectangles where each rectangle contains the detected object.foundWeights - Vector that will contain confidence values for each detected object.hitThreshold - Threshold for the distance between features and SVM classifying plane. Usually it is 0 and should be specified in the detector coefficients (as the last free coefficient). But if the free coefficient is omitted (which is allowed), you can specify it manually here.winStride - Window stride. It must be a multiple of block stride.padding - Paddingscale - Coefficient of the detection window increase.

#### detectMultiScale public void detectMultiScale([Mat](http://docs.google.com/org/opencv/core/Mat.html) img, [MatOfRect](http://docs.google.com/org/opencv/core/MatOfRect.html) foundLocations, [MatOfDouble](http://docs.google.com/org/opencv/core/MatOfDouble.html) foundWeights, double hitThreshold, [Size](http://docs.google.com/org/opencv/core/Size.html) winStride, [Size](http://docs.google.com/org/opencv/core/Size.html) padding, double scale, double finalThreshold) Detects objects of different sizes in the input image. The detected objects are returned as a list of rectangles.Parameters:img - Matrix of the type CV\_8U or CV\_8UC3 containing an image where objects are detected.foundLocations - Vector of rectangles where each rectangle contains the detected object.foundWeights - Vector that will contain confidence values for each detected object.hitThreshold - Threshold for the distance between features and SVM classifying plane. Usually it is 0 and should be specified in the detector coefficients (as the last free coefficient). But if the free coefficient is omitted (which is allowed), you can specify it manually here.winStride - Window stride. It must be a multiple of block stride.padding - Paddingscale - Coefficient of the detection window increase.finalThreshold - Final threshold

#### detectMultiScale public void detectMultiScale([Mat](http://docs.google.com/org/opencv/core/Mat.html) img, [MatOfRect](http://docs.google.com/org/opencv/core/MatOfRect.html) foundLocations, [MatOfDouble](http://docs.google.com/org/opencv/core/MatOfDouble.html) foundWeights, double hitThreshold, [Size](http://docs.google.com/org/opencv/core/Size.html) winStride, [Size](http://docs.google.com/org/opencv/core/Size.html) padding, double scale, double finalThreshold, boolean useMeanshiftGrouping) Detects objects of different sizes in the input image. The detected objects are returned as a list of rectangles.Parameters:img - Matrix of the type CV\_8U or CV\_8UC3 containing an image where objects are detected.foundLocations - Vector of rectangles where each rectangle contains the detected object.foundWeights - Vector that will contain confidence values for each detected object.hitThreshold - Threshold for the distance between features and SVM classifying plane. Usually it is 0 and should be specified in the detector coefficients (as the last free coefficient). But if the free coefficient is omitted (which is allowed), you can specify it manually here.winStride - Window stride. It must be a multiple of block stride.padding - Paddingscale - Coefficient of the detection window increase.finalThreshold - Final thresholduseMeanshiftGrouping - indicates grouping algorithm

#### get\_blockSize public [Size](http://docs.google.com/org/opencv/core/Size.html) get\_blockSize()

#### get\_blockStride public [Size](http://docs.google.com/org/opencv/core/Size.html) get\_blockStride()

#### get\_cellSize public [Size](http://docs.google.com/org/opencv/core/Size.html) get\_cellSize()

#### get\_derivAperture public int get\_derivAperture()

#### get\_gammaCorrection public boolean get\_gammaCorrection()

#### get\_histogramNormType public int get\_histogramNormType()

#### get\_L2HysThreshold public double get\_L2HysThreshold()

#### get\_nbins public int get\_nbins()

#### get\_nlevels public int get\_nlevels()

#### get\_signedGradient public boolean get\_signedGradient()

#### get\_svmDetector public [MatOfFloat](http://docs.google.com/org/opencv/core/MatOfFloat.html) get\_svmDetector()

#### get\_winSigma public double get\_winSigma()

#### get\_winSize public [Size](http://docs.google.com/org/opencv/core/Size.html) get\_winSize()

#### getDaimlerPeopleDetector public static [MatOfFloat](http://docs.google.com/org/opencv/core/MatOfFloat.html) getDaimlerPeopleDetector() Returns coefficients of the classifier trained for people detection (for 48x96 windows).Returns:automatically generated

#### getDefaultPeopleDetector public static [MatOfFloat](http://docs.google.com/org/opencv/core/MatOfFloat.html) getDefaultPeopleDetector() Returns coefficients of the classifier trained for people detection (for 64x128 windows).Returns:automatically generated

#### getDescriptorSize public long getDescriptorSize() Returns the number of coefficients required for the classification.Returns:automatically generated

#### getNativeObjAddr public long getNativeObjAddr()

#### getWinSigma public double getWinSigma() Returns winSigma valueReturns:automatically generated

#### load public boolean load(java.lang.String filename) loads coefficients for the linear SVM classifier from a fileParameters:filename - Name of the file to read. Returns:automatically generated

#### load public boolean load(java.lang.String filename, java.lang.String objname) loads coefficients for the linear SVM classifier from a fileParameters:filename - Name of the file to read.objname - The optional name of the node to read (if empty, the first top-level node will be used). Returns:automatically generated

#### save public void save(java.lang.String filename) saves coefficients for the linear SVM classifier to a fileParameters:filename - File name

#### save public void save(java.lang.String filename, java.lang.String objname) saves coefficients for the linear SVM classifier to a fileParameters:filename - File nameobjname - Object name

#### setSVMDetector public void setSVMDetector([Mat](http://docs.google.com/org/opencv/core/Mat.html) \_svmdetector) Sets coefficients for the linear SVM classifier.Parameters:\_svmdetector - coefficients for the linear SVM classifier.

* [Overview](http://docs.google.com/overview-summary.html)
* [Package](http://docs.google.com/package-summary.html)
* Class
* [Tree](http://docs.google.com/package-tree.html)
* [Index](http://docs.google.com/index-all.html)
* [Help](http://docs.google.com/help-doc.html)
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