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/video/DualTVL1OpticalFlow.html)
* [Next Class](http://docs.google.com/org/opencv/video/KalmanFilter.html)
* [Frames](http://docs.google.com/index.html?org/opencv/video/FarnebackOpticalFlow.html)
* [No Frames](http://docs.google.com/FarnebackOpticalFlow.html)
* [All Classes](http://docs.google.com/allclasses-noframe.html)
* Summary:
* Nested |
* Field |
* Constr |
* [Method](#3znysh7)
* Detail:
* Field |
* Constr |
* [Method](#1t3h5sf)

org.opencv.video

## Class FarnebackOpticalFlow

* java.lang.Object
  + [org.opencv.core.Algorithm](http://docs.google.com/org/opencv/core/Algorithm.html)
    - [org.opencv.video.DenseOpticalFlow](http://docs.google.com/org/opencv/video/DenseOpticalFlow.html)
      * org.opencv.video.FarnebackOpticalFlow
* public class FarnebackOpticalFlow  
  extends [DenseOpticalFlow](http://docs.google.com/org/opencv/video/DenseOpticalFlow.html)  
  Class computing a dense optical flow using the Gunnar Farneback's algorithm.

### Method SummaryMethods

| Modifier and Type | Method and Description |
| --- | --- |
| static [FarnebackOpticalFlow](http://docs.google.com/org/opencv/video/FarnebackOpticalFlow.html) | [**\_\_fromPtr\_\_**](http://docs.google.com/org/opencv/video/FarnebackOpticalFlow.html#__fromPtr__(long))(long addr) |
| static [FarnebackOpticalFlow](http://docs.google.com/org/opencv/video/FarnebackOpticalFlow.html) | [**create**](http://docs.google.com/org/opencv/video/FarnebackOpticalFlow.html#create())() |
| static [FarnebackOpticalFlow](http://docs.google.com/org/opencv/video/FarnebackOpticalFlow.html) | [**create**](http://docs.google.com/org/opencv/video/FarnebackOpticalFlow.html#create(int))(int numLevels) |
| static [FarnebackOpticalFlow](http://docs.google.com/org/opencv/video/FarnebackOpticalFlow.html) | [**create**](http://docs.google.com/org/opencv/video/FarnebackOpticalFlow.html#create(int,%20double))(int numLevels, double pyrScale) |
| static [FarnebackOpticalFlow](http://docs.google.com/org/opencv/video/FarnebackOpticalFlow.html) | [**create**](http://docs.google.com/org/opencv/video/FarnebackOpticalFlow.html#create(int,%20double,%20boolean))(int numLevels, double pyrScale, boolean fastPyramids) |
| static [FarnebackOpticalFlow](http://docs.google.com/org/opencv/video/FarnebackOpticalFlow.html) | [**create**](http://docs.google.com/org/opencv/video/FarnebackOpticalFlow.html#create(int,%20double,%20boolean,%20int))(int numLevels, double pyrScale, boolean fastPyramids, int winSize) |
| static [FarnebackOpticalFlow](http://docs.google.com/org/opencv/video/FarnebackOpticalFlow.html) | [**create**](http://docs.google.com/org/opencv/video/FarnebackOpticalFlow.html#create(int,%20double,%20boolean,%20int,%20int))(int numLevels, double pyrScale, boolean fastPyramids, int winSize, int numIters) |
| static [FarnebackOpticalFlow](http://docs.google.com/org/opencv/video/FarnebackOpticalFlow.html) | [**create**](http://docs.google.com/org/opencv/video/FarnebackOpticalFlow.html#create(int,%20double,%20boolean,%20int,%20int,%20int))(int numLevels, double pyrScale, boolean fastPyramids, int winSize, int numIters, int polyN) |
| static [FarnebackOpticalFlow](http://docs.google.com/org/opencv/video/FarnebackOpticalFlow.html) | [**create**](http://docs.google.com/org/opencv/video/FarnebackOpticalFlow.html#create(int,%20double,%20boolean,%20int,%20int,%20int,%20double))(int numLevels, double pyrScale, boolean fastPyramids, int winSize, int numIters, int polyN, double polySigma) |
| static [FarnebackOpticalFlow](http://docs.google.com/org/opencv/video/FarnebackOpticalFlow.html) | [**create**](http://docs.google.com/org/opencv/video/FarnebackOpticalFlow.html#create(int,%20double,%20boolean,%20int,%20int,%20int,%20double,%20int))(int numLevels, double pyrScale, boolean fastPyramids, int winSize, int numIters, int polyN, double polySigma, int flags) |
| boolean | [**getFastPyramids**](http://docs.google.com/org/opencv/video/FarnebackOpticalFlow.html#getFastPyramids())() |
| int | [**getFlags**](http://docs.google.com/org/opencv/video/FarnebackOpticalFlow.html#getFlags())() |
| int | [**getNumIters**](http://docs.google.com/org/opencv/video/FarnebackOpticalFlow.html#getNumIters())() |
| int | [**getNumLevels**](http://docs.google.com/org/opencv/video/FarnebackOpticalFlow.html#getNumLevels())() |
| int | [**getPolyN**](http://docs.google.com/org/opencv/video/FarnebackOpticalFlow.html#getPolyN())() |
| double | [**getPolySigma**](http://docs.google.com/org/opencv/video/FarnebackOpticalFlow.html#getPolySigma())() |
| double | [**getPyrScale**](http://docs.google.com/org/opencv/video/FarnebackOpticalFlow.html#getPyrScale())() |
| int | [**getWinSize**](http://docs.google.com/org/opencv/video/FarnebackOpticalFlow.html#getWinSize())() |
| void | [**setFastPyramids**](http://docs.google.com/org/opencv/video/FarnebackOpticalFlow.html#setFastPyramids(boolean))(boolean fastPyramids) |
| void | [**setFlags**](http://docs.google.com/org/opencv/video/FarnebackOpticalFlow.html#setFlags(int))(int flags) |
| void | [**setNumIters**](http://docs.google.com/org/opencv/video/FarnebackOpticalFlow.html#setNumIters(int))(int numIters) |
| void | [**setNumLevels**](http://docs.google.com/org/opencv/video/FarnebackOpticalFlow.html#setNumLevels(int))(int numLevels) |
| void | [**setPolyN**](http://docs.google.com/org/opencv/video/FarnebackOpticalFlow.html#setPolyN(int))(int polyN) |
| void | [**setPolySigma**](http://docs.google.com/org/opencv/video/FarnebackOpticalFlow.html#setPolySigma(double))(double polySigma) |
| void | [**setPyrScale**](http://docs.google.com/org/opencv/video/FarnebackOpticalFlow.html#setPyrScale(double))(double pyrScale) |
| void | [**setWinSize**](http://docs.google.com/org/opencv/video/FarnebackOpticalFlow.html#setWinSize(int))(int winSize) |

### Methods inherited from class org.opencv.video.[**DenseOpticalFlow**](http://docs.google.com/org/opencv/video/DenseOpticalFlow.html)[calc](http://docs.google.com/org/opencv/video/DenseOpticalFlow.html#calc(org.opencv.core.Mat,%20org.opencv.core.Mat,%20org.opencv.core.Mat)), [collectGarbage](http://docs.google.com/org/opencv/video/DenseOpticalFlow.html#collectGarbage())

### 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 [FarnebackOpticalFlow](http://docs.google.com/org/opencv/video/FarnebackOpticalFlow.html) \_\_fromPtr\_\_(long addr)

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

#### create public static [FarnebackOpticalFlow](http://docs.google.com/org/opencv/video/FarnebackOpticalFlow.html) create(int numLevels)

#### create public static [FarnebackOpticalFlow](http://docs.google.com/org/opencv/video/FarnebackOpticalFlow.html) create(int numLevels, double pyrScale)

#### create public static [FarnebackOpticalFlow](http://docs.google.com/org/opencv/video/FarnebackOpticalFlow.html) create(int numLevels, double pyrScale, boolean fastPyramids)

#### create public static [FarnebackOpticalFlow](http://docs.google.com/org/opencv/video/FarnebackOpticalFlow.html) create(int numLevels, double pyrScale, boolean fastPyramids, int winSize)

#### create public static [FarnebackOpticalFlow](http://docs.google.com/org/opencv/video/FarnebackOpticalFlow.html) create(int numLevels, double pyrScale, boolean fastPyramids, int winSize, int numIters)

#### create public static [FarnebackOpticalFlow](http://docs.google.com/org/opencv/video/FarnebackOpticalFlow.html) create(int numLevels, double pyrScale, boolean fastPyramids, int winSize, int numIters, int polyN)

#### create public static [FarnebackOpticalFlow](http://docs.google.com/org/opencv/video/FarnebackOpticalFlow.html) create(int numLevels, double pyrScale, boolean fastPyramids, int winSize, int numIters, int polyN, double polySigma)

#### create public static [FarnebackOpticalFlow](http://docs.google.com/org/opencv/video/FarnebackOpticalFlow.html) create(int numLevels, double pyrScale, boolean fastPyramids, int winSize, int numIters, int polyN, double polySigma, int flags)

#### getFastPyramids public boolean getFastPyramids()

#### getFlags public int getFlags()

#### getNumIters public int getNumIters()

#### getNumLevels public int getNumLevels()

#### getPolyN public int getPolyN()

#### getPolySigma public double getPolySigma()

#### getPyrScale public double getPyrScale()

#### getWinSize public int getWinSize()

#### setFastPyramids public void setFastPyramids(boolean fastPyramids)

#### setFlags public void setFlags(int flags)

#### setNumIters public void setNumIters(int numIters)

#### setNumLevels public void setNumLevels(int numLevels)

#### setPolyN public void setPolyN(int polyN)

#### setPolySigma public void setPolySigma(double polySigma)

#### setPyrScale public void setPyrScale(double pyrScale)

#### setWinSize public void setWinSize(int winSize)

* [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/video/DualTVL1OpticalFlow.html)
* [Next Class](http://docs.google.com/org/opencv/video/KalmanFilter.html)
* [Frames](http://docs.google.com/index.html?org/opencv/video/FarnebackOpticalFlow.html)
* [No Frames](http://docs.google.com/FarnebackOpticalFlow.html)
* [All Classes](http://docs.google.com/allclasses-noframe.html)
* Summary:
* Nested |
* Field |
* Constr |
* [Method](#3znysh7)
* Detail:
* Field |
* Constr |
* [Method](#1t3h5sf)

Generated on 2021-04-02 03:15:03 / OpenCV 3.4.14