JavaScript is disabled on your browser.

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org.opencv.video

## Class SparsePyrLKOpticalFlow

* java.lang.Object
  + [org.opencv.core.Algorithm](http://docs.google.com/org/opencv/core/Algorithm.html)
    - [org.opencv.video.SparseOpticalFlow](http://docs.google.com/org/opencv/video/SparseOpticalFlow.html)
      * org.opencv.video.SparsePyrLKOpticalFlow
* public class SparsePyrLKOpticalFlow  
  extends [SparseOpticalFlow](http://docs.google.com/org/opencv/video/SparseOpticalFlow.html)  
  Class used for calculating a sparse optical flow. The class can calculate an optical flow for a sparse feature set using the iterative Lucas-Kanade method with pyramids. SEE: calcOpticalFlowPyrLK

### Method SummaryMethods

| Modifier and Type | Method and Description |
| --- | --- |
| static [SparsePyrLKOpticalFlow](http://docs.google.com/org/opencv/video/SparsePyrLKOpticalFlow.html) | [**\_\_fromPtr\_\_**](http://docs.google.com/org/opencv/video/SparsePyrLKOpticalFlow.html#__fromPtr__(long))(long addr) |
| static [SparsePyrLKOpticalFlow](http://docs.google.com/org/opencv/video/SparsePyrLKOpticalFlow.html) | [**create**](http://docs.google.com/org/opencv/video/SparsePyrLKOpticalFlow.html#create())() |
| static [SparsePyrLKOpticalFlow](http://docs.google.com/org/opencv/video/SparsePyrLKOpticalFlow.html) | [**create**](http://docs.google.com/org/opencv/video/SparsePyrLKOpticalFlow.html#create(org.opencv.core.Size))([Size](http://docs.google.com/org/opencv/core/Size.html) winSize) |
| static [SparsePyrLKOpticalFlow](http://docs.google.com/org/opencv/video/SparsePyrLKOpticalFlow.html) | [**create**](http://docs.google.com/org/opencv/video/SparsePyrLKOpticalFlow.html#create(org.opencv.core.Size,%20int))([Size](http://docs.google.com/org/opencv/core/Size.html) winSize, int maxLevel) |
| static [SparsePyrLKOpticalFlow](http://docs.google.com/org/opencv/video/SparsePyrLKOpticalFlow.html) | [**create**](http://docs.google.com/org/opencv/video/SparsePyrLKOpticalFlow.html#create(org.opencv.core.Size,%20int,%20org.opencv.core.TermCriteria))([Size](http://docs.google.com/org/opencv/core/Size.html) winSize, int maxLevel, [TermCriteria](http://docs.google.com/org/opencv/core/TermCriteria.html) crit) |
| static [SparsePyrLKOpticalFlow](http://docs.google.com/org/opencv/video/SparsePyrLKOpticalFlow.html) | [**create**](http://docs.google.com/org/opencv/video/SparsePyrLKOpticalFlow.html#create(org.opencv.core.Size,%20int,%20org.opencv.core.TermCriteria,%20int))([Size](http://docs.google.com/org/opencv/core/Size.html) winSize, int maxLevel, [TermCriteria](http://docs.google.com/org/opencv/core/TermCriteria.html) crit, int flags) |
| static [SparsePyrLKOpticalFlow](http://docs.google.com/org/opencv/video/SparsePyrLKOpticalFlow.html) | [**create**](http://docs.google.com/org/opencv/video/SparsePyrLKOpticalFlow.html#create(org.opencv.core.Size,%20int,%20org.opencv.core.TermCriteria,%20int,%20double))([Size](http://docs.google.com/org/opencv/core/Size.html) winSize, int maxLevel, [TermCriteria](http://docs.google.com/org/opencv/core/TermCriteria.html) crit, int flags, double minEigThreshold) |
| int | [**getFlags**](http://docs.google.com/org/opencv/video/SparsePyrLKOpticalFlow.html#getFlags())() |
| int | [**getMaxLevel**](http://docs.google.com/org/opencv/video/SparsePyrLKOpticalFlow.html#getMaxLevel())() |
| double | [**getMinEigThreshold**](http://docs.google.com/org/opencv/video/SparsePyrLKOpticalFlow.html#getMinEigThreshold())() |
| [TermCriteria](http://docs.google.com/org/opencv/core/TermCriteria.html) | [**getTermCriteria**](http://docs.google.com/org/opencv/video/SparsePyrLKOpticalFlow.html#getTermCriteria())() |
| [Size](http://docs.google.com/org/opencv/core/Size.html) | [**getWinSize**](http://docs.google.com/org/opencv/video/SparsePyrLKOpticalFlow.html#getWinSize())() |
| void | [**setFlags**](http://docs.google.com/org/opencv/video/SparsePyrLKOpticalFlow.html#setFlags(int))(int flags) |
| void | [**setMaxLevel**](http://docs.google.com/org/opencv/video/SparsePyrLKOpticalFlow.html#setMaxLevel(int))(int maxLevel) |
| void | [**setMinEigThreshold**](http://docs.google.com/org/opencv/video/SparsePyrLKOpticalFlow.html#setMinEigThreshold(double))(double minEigThreshold) |
| void | [**setTermCriteria**](http://docs.google.com/org/opencv/video/SparsePyrLKOpticalFlow.html#setTermCriteria(org.opencv.core.TermCriteria))([TermCriteria](http://docs.google.com/org/opencv/core/TermCriteria.html) crit) |
| void | [**setWinSize**](http://docs.google.com/org/opencv/video/SparsePyrLKOpticalFlow.html#setWinSize(org.opencv.core.Size))([Size](http://docs.google.com/org/opencv/core/Size.html) winSize) |

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

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

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

#### create public static [SparsePyrLKOpticalFlow](http://docs.google.com/org/opencv/video/SparsePyrLKOpticalFlow.html) create([Size](http://docs.google.com/org/opencv/core/Size.html) winSize)

#### create public static [SparsePyrLKOpticalFlow](http://docs.google.com/org/opencv/video/SparsePyrLKOpticalFlow.html) create([Size](http://docs.google.com/org/opencv/core/Size.html) winSize, int maxLevel)

#### create public static [SparsePyrLKOpticalFlow](http://docs.google.com/org/opencv/video/SparsePyrLKOpticalFlow.html) create([Size](http://docs.google.com/org/opencv/core/Size.html) winSize, int maxLevel, [TermCriteria](http://docs.google.com/org/opencv/core/TermCriteria.html) crit)

#### create public static [SparsePyrLKOpticalFlow](http://docs.google.com/org/opencv/video/SparsePyrLKOpticalFlow.html) create([Size](http://docs.google.com/org/opencv/core/Size.html) winSize, int maxLevel, [TermCriteria](http://docs.google.com/org/opencv/core/TermCriteria.html) crit, int flags)

#### create public static [SparsePyrLKOpticalFlow](http://docs.google.com/org/opencv/video/SparsePyrLKOpticalFlow.html) create([Size](http://docs.google.com/org/opencv/core/Size.html) winSize, int maxLevel, [TermCriteria](http://docs.google.com/org/opencv/core/TermCriteria.html) crit, int flags, double minEigThreshold)

#### getFlags public int getFlags()

#### getMaxLevel public int getMaxLevel()

#### getMinEigThreshold public double getMinEigThreshold()

#### getTermCriteria public [TermCriteria](http://docs.google.com/org/opencv/core/TermCriteria.html) getTermCriteria()

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

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

#### setMaxLevel public void setMaxLevel(int maxLevel)

#### setMinEigThreshold public void setMinEigThreshold(double minEigThreshold)

#### setTermCriteria public void setTermCriteria([TermCriteria](http://docs.google.com/org/opencv/core/TermCriteria.html) crit)

#### setWinSize public void setWinSize([Size](http://docs.google.com/org/opencv/core/Size.html) winSize)

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