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/BackgroundSubtractorMOG2.html)
* [Next Class](http://docs.google.com/org/opencv/video/DualTVL1OpticalFlow.html)
* [Frames](http://docs.google.com/index.html?org/opencv/video/DenseOpticalFlow.html)
* [No Frames](http://docs.google.com/DenseOpticalFlow.html)
* [All Classes](http://docs.google.com/allclasses-noframe.html)
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org.opencv.video

## Class DenseOpticalFlow

* java.lang.Object
  + [org.opencv.core.Algorithm](http://docs.google.com/org/opencv/core/Algorithm.html)
    - org.opencv.video.DenseOpticalFlow
* Direct Known Subclasses: [DualTVL1OpticalFlow](http://docs.google.com/org/opencv/video/DualTVL1OpticalFlow.html), [FarnebackOpticalFlow](http://docs.google.com/org/opencv/video/FarnebackOpticalFlow.html)  
    
  public class DenseOpticalFlow  
  extends [Algorithm](http://docs.google.com/org/opencv/core/Algorithm.html)

### Method SummaryMethods

| Modifier and Type | Method and Description |
| --- | --- |
| static [DenseOpticalFlow](http://docs.google.com/org/opencv/video/DenseOpticalFlow.html) | [**\_\_fromPtr\_\_**](http://docs.google.com/org/opencv/video/DenseOpticalFlow.html#__fromPtr__(long))(long addr) |
| void | [**calc**](http://docs.google.com/org/opencv/video/DenseOpticalFlow.html#calc(org.opencv.core.Mat,%20org.opencv.core.Mat,%20org.opencv.core.Mat))([Mat](http://docs.google.com/org/opencv/core/Mat.html) I0, [Mat](http://docs.google.com/org/opencv/core/Mat.html) I1, [Mat](http://docs.google.com/org/opencv/core/Mat.html) flow) Calculates an optical flow. |
| void | [**collectGarbage**](http://docs.google.com/org/opencv/video/DenseOpticalFlow.html#collectGarbage())() Releases all inner buffers. |

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

#### calc public void calc([Mat](http://docs.google.com/org/opencv/core/Mat.html) I0, [Mat](http://docs.google.com/org/opencv/core/Mat.html) I1, [Mat](http://docs.google.com/org/opencv/core/Mat.html) flow) Calculates an optical flow.Parameters:I0 - first 8-bit single-channel input image.I1 - second input image of the same size and the same type as prev.flow - computed flow image that has the same size as prev and type CV\_32FC2.

#### collectGarbage public void collectGarbage() Releases all inner buffers.

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