JavaScript is disabled on your browser.

* [Overview](http://docs.google.com/overview-summary.html)
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org.opencv.imgproc

## Class CLAHE

* java.lang.Object
  + [org.opencv.core.Algorithm](http://docs.google.com/org/opencv/core/Algorithm.html)
    - org.opencv.imgproc.CLAHE
* public class CLAHE  
  extends [Algorithm](http://docs.google.com/org/opencv/core/Algorithm.html)  
  Base class for Contrast Limited Adaptive Histogram Equalization.

### Method SummaryMethods

| Modifier and Type | Method and Description |
| --- | --- |
| static [CLAHE](http://docs.google.com/org/opencv/imgproc/CLAHE.html) | [**\_\_fromPtr\_\_**](http://docs.google.com/org/opencv/imgproc/CLAHE.html#__fromPtr__(long))(long addr) |
| void | [**apply**](http://docs.google.com/org/opencv/imgproc/CLAHE.html#apply(org.opencv.core.Mat,%20org.opencv.core.Mat))([Mat](http://docs.google.com/org/opencv/core/Mat.html) src, [Mat](http://docs.google.com/org/opencv/core/Mat.html) dst) Equalizes the histogram of a grayscale image using Contrast Limited Adaptive Histogram Equalization. |
| void | [**collectGarbage**](http://docs.google.com/org/opencv/imgproc/CLAHE.html#collectGarbage())() |
| double | [**getClipLimit**](http://docs.google.com/org/opencv/imgproc/CLAHE.html#getClipLimit())() |
| [Size](http://docs.google.com/org/opencv/core/Size.html) | [**getTilesGridSize**](http://docs.google.com/org/opencv/imgproc/CLAHE.html#getTilesGridSize())() |
| void | [**setClipLimit**](http://docs.google.com/org/opencv/imgproc/CLAHE.html#setClipLimit(double))(double clipLimit) Sets threshold for contrast limiting. |
| void | [**setTilesGridSize**](http://docs.google.com/org/opencv/imgproc/CLAHE.html#setTilesGridSize(org.opencv.core.Size))([Size](http://docs.google.com/org/opencv/core/Size.html) tileGridSize) Sets size of grid for histogram equalization. |

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

#### apply public void apply([Mat](http://docs.google.com/org/opencv/core/Mat.html) src, [Mat](http://docs.google.com/org/opencv/core/Mat.html) dst) Equalizes the histogram of a grayscale image using Contrast Limited Adaptive Histogram Equalization.Parameters:src - Source image of type CV\_8UC1 or CV\_16UC1.dst - Destination image.

#### collectGarbage public void collectGarbage()

#### getClipLimit public double getClipLimit()

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

#### setClipLimit public void setClipLimit(double clipLimit) Sets threshold for contrast limiting.Parameters:clipLimit - threshold value.

#### setTilesGridSize public void setTilesGridSize([Size](http://docs.google.com/org/opencv/core/Size.html) tileGridSize) Sets size of grid for histogram equalization. Input image will be divided into equally sized rectangular tiles.Parameters:tileGridSize - defines the number of tiles in row and column.

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