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)
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* [Help](http://docs.google.com/help-doc.html)
* [Prev Class](http://docs.google.com/org/opencv/photo/TonemapDrago.html)
* [Next Class](http://docs.google.com/org/opencv/photo/TonemapReinhard.html)
* [Frames](http://docs.google.com/index.html?org/opencv/photo/TonemapMantiuk.html)
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org.opencv.photo

## Class TonemapMantiuk

* java.lang.Object
  + [org.opencv.core.Algorithm](http://docs.google.com/org/opencv/core/Algorithm.html)
    - [org.opencv.photo.Tonemap](http://docs.google.com/org/opencv/photo/Tonemap.html)
      * org.opencv.photo.TonemapMantiuk
* public class TonemapMantiuk  
  extends [Tonemap](http://docs.google.com/org/opencv/photo/Tonemap.html)  
  This algorithm transforms image to contrast using gradients on all levels of gaussian pyramid, transforms contrast values to HVS response and scales the response. After this the image is reconstructed from new contrast values. For more information see CITE: MM06 .

### Method SummaryMethods

| Modifier and Type | Method and Description |
| --- | --- |
| static [TonemapMantiuk](http://docs.google.com/org/opencv/photo/TonemapMantiuk.html) | [**\_\_fromPtr\_\_**](http://docs.google.com/org/opencv/photo/TonemapMantiuk.html#__fromPtr__(long))(long addr) |
| float | [**getSaturation**](http://docs.google.com/org/opencv/photo/TonemapMantiuk.html#getSaturation())() |
| float | [**getScale**](http://docs.google.com/org/opencv/photo/TonemapMantiuk.html#getScale())() |
| void | [**setSaturation**](http://docs.google.com/org/opencv/photo/TonemapMantiuk.html#setSaturation(float))(float saturation) |
| void | [**setScale**](http://docs.google.com/org/opencv/photo/TonemapMantiuk.html#setScale(float))(float scale) |

### Methods inherited from class org.opencv.photo.[**Tonemap**](http://docs.google.com/org/opencv/photo/Tonemap.html)[getGamma](http://docs.google.com/org/opencv/photo/Tonemap.html#getGamma()), [process](http://docs.google.com/org/opencv/photo/Tonemap.html#process(org.opencv.core.Mat,%20org.opencv.core.Mat)), [setGamma](http://docs.google.com/org/opencv/photo/Tonemap.html#setGamma(float))

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

#### getSaturation public float getSaturation()

#### getScale public float getScale()

#### setSaturation public void setSaturation(float saturation)

#### setScale public void setScale(float scale)

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