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/photo/Photo.html)
* [Next Class](http://docs.google.com/org/opencv/photo/TonemapDrago.html)
* [Frames](http://docs.google.com/index.html?org/opencv/photo/Tonemap.html)
* [No Frames](http://docs.google.com/Tonemap.html)
* [All Classes](http://docs.google.com/allclasses-noframe.html)
* Summary:
* Nested |
* Field |
* Constr |
* [Method](#3znysh7)
* Detail:
* Field |
* Constr |
* [Method](#3dy6vkm)

org.opencv.photo

## Class Tonemap

* java.lang.Object
  + [org.opencv.core.Algorithm](http://docs.google.com/org/opencv/core/Algorithm.html)
    - org.opencv.photo.Tonemap
* Direct Known Subclasses: [TonemapDrago](http://docs.google.com/org/opencv/photo/TonemapDrago.html), [TonemapMantiuk](http://docs.google.com/org/opencv/photo/TonemapMantiuk.html), [TonemapReinhard](http://docs.google.com/org/opencv/photo/TonemapReinhard.html)  
    
  public class Tonemap  
  extends [Algorithm](http://docs.google.com/org/opencv/core/Algorithm.html)  
  Base class for tonemapping algorithms - tools that are used to map HDR image to 8-bit range.

### Method SummaryMethods

| Modifier and Type | Method and Description |
| --- | --- |
| static [Tonemap](http://docs.google.com/org/opencv/photo/Tonemap.html) | [**\_\_fromPtr\_\_**](http://docs.google.com/org/opencv/photo/Tonemap.html#__fromPtr__(long))(long addr) |
| float | [**getGamma**](http://docs.google.com/org/opencv/photo/Tonemap.html#getGamma())() |
| void | [**process**](http://docs.google.com/org/opencv/photo/Tonemap.html#process(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) Tonemaps image |
| void | [**setGamma**](http://docs.google.com/org/opencv/photo/Tonemap.html#setGamma(float))(float gamma) |

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

#### getGamma public float getGamma()

#### process public void process([Mat](http://docs.google.com/org/opencv/core/Mat.html) src, [Mat](http://docs.google.com/org/opencv/core/Mat.html) dst) Tonemaps imageParameters:src - source image - CV\_32FC3 Mat (float 32 bits 3 channels)dst - destination image - CV\_32FC3 Mat with values in [0, 1] range

#### setGamma public void setGamma(float gamma)

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