JavaScript is disabled on your browser.

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org.opencv.photo

## Class MergeMertens

* java.lang.Object
  + [org.opencv.core.Algorithm](http://docs.google.com/org/opencv/core/Algorithm.html)
    - [org.opencv.photo.MergeExposures](http://docs.google.com/org/opencv/photo/MergeExposures.html)
      * org.opencv.photo.MergeMertens
* public class MergeMertens  
  extends [MergeExposures](http://docs.google.com/org/opencv/photo/MergeExposures.html)  
  Pixels are weighted using contrast, saturation and well-exposedness measures, than images are combined using laplacian pyramids. The resulting image weight is constructed as weighted average of contrast, saturation and well-exposedness measures. The resulting image doesn't require tonemapping and can be converted to 8-bit image by multiplying by 255, but it's recommended to apply gamma correction and/or linear tonemapping. For more information see CITE: MK07 .

### Method SummaryMethods

| Modifier and Type | Method and Description |
| --- | --- |
| static [MergeMertens](http://docs.google.com/org/opencv/photo/MergeMertens.html) | [**\_\_fromPtr\_\_**](http://docs.google.com/org/opencv/photo/MergeMertens.html#__fromPtr__(long))(long addr) |
| float | [**getContrastWeight**](http://docs.google.com/org/opencv/photo/MergeMertens.html#getContrastWeight())() |
| float | [**getExposureWeight**](http://docs.google.com/org/opencv/photo/MergeMertens.html#getExposureWeight())() |
| float | [**getSaturationWeight**](http://docs.google.com/org/opencv/photo/MergeMertens.html#getSaturationWeight())() |
| void | [**process**](http://docs.google.com/org/opencv/photo/MergeMertens.html#process(java.util.List,%20org.opencv.core.Mat))(java.util.List<[Mat](http://docs.google.com/org/opencv/core/Mat.html)> src, [Mat](http://docs.google.com/org/opencv/core/Mat.html) dst) Short version of process, that doesn't take extra arguments. |
| void | [**process**](http://docs.google.com/org/opencv/photo/MergeMertens.html#process(java.util.List,%20org.opencv.core.Mat,%20org.opencv.core.Mat,%20org.opencv.core.Mat))(java.util.List<[Mat](http://docs.google.com/org/opencv/core/Mat.html)> src, [Mat](http://docs.google.com/org/opencv/core/Mat.html) dst, [Mat](http://docs.google.com/org/opencv/core/Mat.html) times, [Mat](http://docs.google.com/org/opencv/core/Mat.html) response) Merges images. |
| void | [**setContrastWeight**](http://docs.google.com/org/opencv/photo/MergeMertens.html#setContrastWeight(float))(float contrast\_weiht) |
| void | [**setExposureWeight**](http://docs.google.com/org/opencv/photo/MergeMertens.html#setExposureWeight(float))(float exposure\_weight) |
| void | [**setSaturationWeight**](http://docs.google.com/org/opencv/photo/MergeMertens.html#setSaturationWeight(float))(float saturation\_weight) |

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

#### getContrastWeight public float getContrastWeight()

#### getExposureWeight public float getExposureWeight()

#### getSaturationWeight public float getSaturationWeight()

#### process public void process(java.util.List<[Mat](http://docs.google.com/org/opencv/core/Mat.html)> src, [Mat](http://docs.google.com/org/opencv/core/Mat.html) dst) Short version of process, that doesn't take extra arguments.Parameters:src - vector of input imagesdst - result image

#### process public void process(java.util.List<[Mat](http://docs.google.com/org/opencv/core/Mat.html)> src, [Mat](http://docs.google.com/org/opencv/core/Mat.html) dst, [Mat](http://docs.google.com/org/opencv/core/Mat.html) times, [Mat](http://docs.google.com/org/opencv/core/Mat.html) response) **Description copied from class:**[**MergeExposures**](http://docs.google.com/org/opencv/photo/MergeExposures.html#process(java.util.List,%20org.opencv.core.Mat,%20org.opencv.core.Mat,%20org.opencv.core.Mat)) Merges images.**Overrides:** [process](http://docs.google.com/org/opencv/photo/MergeExposures.html#process(java.util.List,%20org.opencv.core.Mat,%20org.opencv.core.Mat,%20org.opencv.core.Mat)) in class [MergeExposures](http://docs.google.com/org/opencv/photo/MergeExposures.html) Parameters:src - vector of input imagesdst - result imagetimes - vector of exposure time values for each imageresponse - 256x1 matrix with inverse camera response function for each pixel value, it should have the same number of channels as images.

#### setContrastWeight public void setContrastWeight(float contrast\_weiht)

#### setExposureWeight public void setExposureWeight(float exposure\_weight)

#### setSaturationWeight public void setSaturationWeight(float saturation\_weight)

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