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
* Next Class
* [Frames](http://docs.google.com/index.html?org/opencv/utils/Converters.html)
* [No Frames](http://docs.google.com/Converters.html)
* [All Classes](http://docs.google.com/allclasses-noframe.html)
* Summary:
* Nested |
* Field |
* [Constr](#3znysh7) |
* [Method](#2et92p0)
* Detail:
* Field |
* [Constr](#3dy6vkm) |
* [Method](#4d34og8)

org.opencv.utils

## Class Converters

* java.lang.Object
  + org.opencv.utils.Converters
* public class Converters  
  extends java.lang.Object

### Constructor SummaryConstructors

| Constructor and Description |
| --- |
| [**Converters**](http://docs.google.com/org/opencv/utils/Converters.html#Converters())() |

### Method SummaryMethods

| Modifier and Type | Method and Description |
| --- | --- |
| static void | [**Mat\_to\_vector\_char**](http://docs.google.com/org/opencv/utils/Converters.html#Mat_to_vector_char(org.opencv.core.Mat,%20java.util.List))([Mat](http://docs.google.com/org/opencv/core/Mat.html) m, java.util.List<java.lang.Byte> bs) |
| static void | [**Mat\_to\_vector\_DMatch**](http://docs.google.com/org/opencv/utils/Converters.html#Mat_to_vector_DMatch(org.opencv.core.Mat,%20java.util.List))([Mat](http://docs.google.com/org/opencv/core/Mat.html) m, java.util.List<[DMatch](http://docs.google.com/org/opencv/core/DMatch.html)> matches) |
| static void | [**Mat\_to\_vector\_double**](http://docs.google.com/org/opencv/utils/Converters.html#Mat_to_vector_double(org.opencv.core.Mat,%20java.util.List))([Mat](http://docs.google.com/org/opencv/core/Mat.html) m, java.util.List<java.lang.Double> ds) |
| static void | [**Mat\_to\_vector\_float**](http://docs.google.com/org/opencv/utils/Converters.html#Mat_to_vector_float(org.opencv.core.Mat,%20java.util.List))([Mat](http://docs.google.com/org/opencv/core/Mat.html) m, java.util.List<java.lang.Float> fs) |
| static void | [**Mat\_to\_vector\_int**](http://docs.google.com/org/opencv/utils/Converters.html#Mat_to_vector_int(org.opencv.core.Mat,%20java.util.List))([Mat](http://docs.google.com/org/opencv/core/Mat.html) m, java.util.List<java.lang.Integer> is) |
| static void | [**Mat\_to\_vector\_KeyPoint**](http://docs.google.com/org/opencv/utils/Converters.html#Mat_to_vector_KeyPoint(org.opencv.core.Mat,%20java.util.List))([Mat](http://docs.google.com/org/opencv/core/Mat.html) m, java.util.List<[KeyPoint](http://docs.google.com/org/opencv/core/KeyPoint.html)> kps) |
| static void | [**Mat\_to\_vector\_Mat**](http://docs.google.com/org/opencv/utils/Converters.html#Mat_to_vector_Mat(org.opencv.core.Mat,%20java.util.List))([Mat](http://docs.google.com/org/opencv/core/Mat.html) m, java.util.List<[Mat](http://docs.google.com/org/opencv/core/Mat.html)> mats) |
| static void | [**Mat\_to\_vector\_Point**](http://docs.google.com/org/opencv/utils/Converters.html#Mat_to_vector_Point(org.opencv.core.Mat,%20java.util.List))([Mat](http://docs.google.com/org/opencv/core/Mat.html) m, java.util.List<[Point](http://docs.google.com/org/opencv/core/Point.html)> pts) |
| static void | [**Mat\_to\_vector\_Point2d**](http://docs.google.com/org/opencv/utils/Converters.html#Mat_to_vector_Point2d(org.opencv.core.Mat,%20java.util.List))([Mat](http://docs.google.com/org/opencv/core/Mat.html) m, java.util.List<[Point](http://docs.google.com/org/opencv/core/Point.html)> pts) |
| static void | [**Mat\_to\_vector\_Point2f**](http://docs.google.com/org/opencv/utils/Converters.html#Mat_to_vector_Point2f(org.opencv.core.Mat,%20java.util.List))([Mat](http://docs.google.com/org/opencv/core/Mat.html) m, java.util.List<[Point](http://docs.google.com/org/opencv/core/Point.html)> pts) |
| static void | [**Mat\_to\_vector\_Point3**](http://docs.google.com/org/opencv/utils/Converters.html#Mat_to_vector_Point3(org.opencv.core.Mat,%20java.util.List))([Mat](http://docs.google.com/org/opencv/core/Mat.html) m, java.util.List<[Point3](http://docs.google.com/org/opencv/core/Point3.html)> pts) |
| static void | [**Mat\_to\_vector\_Point3d**](http://docs.google.com/org/opencv/utils/Converters.html#Mat_to_vector_Point3d(org.opencv.core.Mat,%20java.util.List))([Mat](http://docs.google.com/org/opencv/core/Mat.html) m, java.util.List<[Point3](http://docs.google.com/org/opencv/core/Point3.html)> pts) |
| static void | [**Mat\_to\_vector\_Point3f**](http://docs.google.com/org/opencv/utils/Converters.html#Mat_to_vector_Point3f(org.opencv.core.Mat,%20java.util.List))([Mat](http://docs.google.com/org/opencv/core/Mat.html) m, java.util.List<[Point3](http://docs.google.com/org/opencv/core/Point3.html)> pts) |
| static void | [**Mat\_to\_vector\_Point3i**](http://docs.google.com/org/opencv/utils/Converters.html#Mat_to_vector_Point3i(org.opencv.core.Mat,%20java.util.List))([Mat](http://docs.google.com/org/opencv/core/Mat.html) m, java.util.List<[Point3](http://docs.google.com/org/opencv/core/Point3.html)> pts) |
| static void | [**Mat\_to\_vector\_Rect**](http://docs.google.com/org/opencv/utils/Converters.html#Mat_to_vector_Rect(org.opencv.core.Mat,%20java.util.List))([Mat](http://docs.google.com/org/opencv/core/Mat.html) m, java.util.List<[Rect](http://docs.google.com/org/opencv/core/Rect.html)> rs) |
| static void | [**Mat\_to\_vector\_Rect2d**](http://docs.google.com/org/opencv/utils/Converters.html#Mat_to_vector_Rect2d(org.opencv.core.Mat,%20java.util.List))([Mat](http://docs.google.com/org/opencv/core/Mat.html) m, java.util.List<[Rect2d](http://docs.google.com/org/opencv/core/Rect2d.html)> rs) |
| static void | [**Mat\_to\_vector\_RotatedRect**](http://docs.google.com/org/opencv/utils/Converters.html#Mat_to_vector_RotatedRect(org.opencv.core.Mat,%20java.util.List))([Mat](http://docs.google.com/org/opencv/core/Mat.html) m, java.util.List<[RotatedRect](http://docs.google.com/org/opencv/core/RotatedRect.html)> rs) |
| static void | [**Mat\_to\_vector\_uchar**](http://docs.google.com/org/opencv/utils/Converters.html#Mat_to_vector_uchar(org.opencv.core.Mat,%20java.util.List))([Mat](http://docs.google.com/org/opencv/core/Mat.html) m, java.util.List<java.lang.Byte> us) |
| static void | [**Mat\_to\_vector\_vector\_char**](http://docs.google.com/org/opencv/utils/Converters.html#Mat_to_vector_vector_char(org.opencv.core.Mat,%20java.util.List))([Mat](http://docs.google.com/org/opencv/core/Mat.html) m, java.util.List<java.util.List<java.lang.Byte>> llb) |
| static void | [**Mat\_to\_vector\_vector\_DMatch**](http://docs.google.com/org/opencv/utils/Converters.html#Mat_to_vector_vector_DMatch(org.opencv.core.Mat,%20java.util.List))([Mat](http://docs.google.com/org/opencv/core/Mat.html) m, java.util.List<[MatOfDMatch](http://docs.google.com/org/opencv/core/MatOfDMatch.html)> lvdm) |
| static void | [**Mat\_to\_vector\_vector\_KeyPoint**](http://docs.google.com/org/opencv/utils/Converters.html#Mat_to_vector_vector_KeyPoint(org.opencv.core.Mat,%20java.util.List))([Mat](http://docs.google.com/org/opencv/core/Mat.html) m, java.util.List<[MatOfKeyPoint](http://docs.google.com/org/opencv/core/MatOfKeyPoint.html)> kps) |
| static void | [**Mat\_to\_vector\_vector\_Point**](http://docs.google.com/org/opencv/utils/Converters.html#Mat_to_vector_vector_Point(org.opencv.core.Mat,%20java.util.List))([Mat](http://docs.google.com/org/opencv/core/Mat.html) m, java.util.List<[MatOfPoint](http://docs.google.com/org/opencv/core/MatOfPoint.html)> pts) |
| static void | [**Mat\_to\_vector\_vector\_Point2f**](http://docs.google.com/org/opencv/utils/Converters.html#Mat_to_vector_vector_Point2f(org.opencv.core.Mat,%20java.util.List))([Mat](http://docs.google.com/org/opencv/core/Mat.html) m, java.util.List<[MatOfPoint2f](http://docs.google.com/org/opencv/core/MatOfPoint2f.html)> pts) |
| static void | [**Mat\_to\_vector\_vector\_Point3f**](http://docs.google.com/org/opencv/utils/Converters.html#Mat_to_vector_vector_Point3f(org.opencv.core.Mat,%20java.util.List))([Mat](http://docs.google.com/org/opencv/core/Mat.html) m, java.util.List<[MatOfPoint3f](http://docs.google.com/org/opencv/core/MatOfPoint3f.html)> pts) |
| static [Mat](http://docs.google.com/org/opencv/core/Mat.html) | [**vector\_char\_to\_Mat**](http://docs.google.com/org/opencv/utils/Converters.html#vector_char_to_Mat(java.util.List))(java.util.List<java.lang.Byte> bs) |
| static [Mat](http://docs.google.com/org/opencv/core/Mat.html) | [**vector\_DMatch\_to\_Mat**](http://docs.google.com/org/opencv/utils/Converters.html#vector_DMatch_to_Mat(java.util.List))(java.util.List<[DMatch](http://docs.google.com/org/opencv/core/DMatch.html)> matches) |
| static [Mat](http://docs.google.com/org/opencv/core/Mat.html) | [**vector\_double\_to\_Mat**](http://docs.google.com/org/opencv/utils/Converters.html#vector_double_to_Mat(java.util.List))(java.util.List<java.lang.Double> ds) |
| static [Mat](http://docs.google.com/org/opencv/core/Mat.html) | [**vector\_float\_to\_Mat**](http://docs.google.com/org/opencv/utils/Converters.html#vector_float_to_Mat(java.util.List))(java.util.List<java.lang.Float> fs) |
| static [Mat](http://docs.google.com/org/opencv/core/Mat.html) | [**vector\_int\_to\_Mat**](http://docs.google.com/org/opencv/utils/Converters.html#vector_int_to_Mat(java.util.List))(java.util.List<java.lang.Integer> is) |
| static [Mat](http://docs.google.com/org/opencv/core/Mat.html) | [**vector\_KeyPoint\_to\_Mat**](http://docs.google.com/org/opencv/utils/Converters.html#vector_KeyPoint_to_Mat(java.util.List))(java.util.List<[KeyPoint](http://docs.google.com/org/opencv/core/KeyPoint.html)> kps) |
| static [Mat](http://docs.google.com/org/opencv/core/Mat.html) | [**vector\_Mat\_to\_Mat**](http://docs.google.com/org/opencv/utils/Converters.html#vector_Mat_to_Mat(java.util.List))(java.util.List<[Mat](http://docs.google.com/org/opencv/core/Mat.html)> mats) |
| static [Mat](http://docs.google.com/org/opencv/core/Mat.html) | [**vector\_Point\_to\_Mat**](http://docs.google.com/org/opencv/utils/Converters.html#vector_Point_to_Mat(java.util.List))(java.util.List<[Point](http://docs.google.com/org/opencv/core/Point.html)> pts) |
| static [Mat](http://docs.google.com/org/opencv/core/Mat.html) | [**vector\_Point\_to\_Mat**](http://docs.google.com/org/opencv/utils/Converters.html#vector_Point_to_Mat(java.util.List,%20int))(java.util.List<[Point](http://docs.google.com/org/opencv/core/Point.html)> pts, int typeDepth) |
| static [Mat](http://docs.google.com/org/opencv/core/Mat.html) | [**vector\_Point2d\_to\_Mat**](http://docs.google.com/org/opencv/utils/Converters.html#vector_Point2d_to_Mat(java.util.List))(java.util.List<[Point](http://docs.google.com/org/opencv/core/Point.html)> pts) |
| static [Mat](http://docs.google.com/org/opencv/core/Mat.html) | [**vector\_Point2f\_to\_Mat**](http://docs.google.com/org/opencv/utils/Converters.html#vector_Point2f_to_Mat(java.util.List))(java.util.List<[Point](http://docs.google.com/org/opencv/core/Point.html)> pts) |
| static [Mat](http://docs.google.com/org/opencv/core/Mat.html) | [**vector\_Point3\_to\_Mat**](http://docs.google.com/org/opencv/utils/Converters.html#vector_Point3_to_Mat(java.util.List,%20int))(java.util.List<[Point3](http://docs.google.com/org/opencv/core/Point3.html)> pts, int typeDepth) |
| static [Mat](http://docs.google.com/org/opencv/core/Mat.html) | [**vector\_Point3d\_to\_Mat**](http://docs.google.com/org/opencv/utils/Converters.html#vector_Point3d_to_Mat(java.util.List))(java.util.List<[Point3](http://docs.google.com/org/opencv/core/Point3.html)> pts) |
| static [Mat](http://docs.google.com/org/opencv/core/Mat.html) | [**vector\_Point3f\_to\_Mat**](http://docs.google.com/org/opencv/utils/Converters.html#vector_Point3f_to_Mat(java.util.List))(java.util.List<[Point3](http://docs.google.com/org/opencv/core/Point3.html)> pts) |
| static [Mat](http://docs.google.com/org/opencv/core/Mat.html) | [**vector\_Point3i\_to\_Mat**](http://docs.google.com/org/opencv/utils/Converters.html#vector_Point3i_to_Mat(java.util.List))(java.util.List<[Point3](http://docs.google.com/org/opencv/core/Point3.html)> pts) |
| static [Mat](http://docs.google.com/org/opencv/core/Mat.html) | [**vector\_Rect\_to\_Mat**](http://docs.google.com/org/opencv/utils/Converters.html#vector_Rect_to_Mat(java.util.List))(java.util.List<[Rect](http://docs.google.com/org/opencv/core/Rect.html)> rs) |
| static [Mat](http://docs.google.com/org/opencv/core/Mat.html) | [**vector\_Rect2d\_to\_Mat**](http://docs.google.com/org/opencv/utils/Converters.html#vector_Rect2d_to_Mat(java.util.List))(java.util.List<[Rect2d](http://docs.google.com/org/opencv/core/Rect2d.html)> rs) |
| static [Mat](http://docs.google.com/org/opencv/core/Mat.html) | [**vector\_RotatedRect\_to\_Mat**](http://docs.google.com/org/opencv/utils/Converters.html#vector_RotatedRect_to_Mat(java.util.List))(java.util.List<[RotatedRect](http://docs.google.com/org/opencv/core/RotatedRect.html)> rs) |
| static [Mat](http://docs.google.com/org/opencv/core/Mat.html) | [**vector\_uchar\_to\_Mat**](http://docs.google.com/org/opencv/utils/Converters.html#vector_uchar_to_Mat(java.util.List))(java.util.List<java.lang.Byte> bs) |
| static [Mat](http://docs.google.com/org/opencv/core/Mat.html) | [**vector\_vector\_char\_to\_Mat**](http://docs.google.com/org/opencv/utils/Converters.html#vector_vector_char_to_Mat(java.util.List,%20java.util.List))(java.util.List<[MatOfByte](http://docs.google.com/org/opencv/core/MatOfByte.html)> lvb, java.util.List<[Mat](http://docs.google.com/org/opencv/core/Mat.html)> mats) |
| static [Mat](http://docs.google.com/org/opencv/core/Mat.html) | [**vector\_vector\_DMatch\_to\_Mat**](http://docs.google.com/org/opencv/utils/Converters.html#vector_vector_DMatch_to_Mat(java.util.List,%20java.util.List))(java.util.List<[MatOfDMatch](http://docs.google.com/org/opencv/core/MatOfDMatch.html)> lvdm, java.util.List<[Mat](http://docs.google.com/org/opencv/core/Mat.html)> mats) |
| static [Mat](http://docs.google.com/org/opencv/core/Mat.html) | [**vector\_vector\_KeyPoint\_to\_Mat**](http://docs.google.com/org/opencv/utils/Converters.html#vector_vector_KeyPoint_to_Mat(java.util.List,%20java.util.List))(java.util.List<[MatOfKeyPoint](http://docs.google.com/org/opencv/core/MatOfKeyPoint.html)> kps, java.util.List<[Mat](http://docs.google.com/org/opencv/core/Mat.html)> mats) |
| static [Mat](http://docs.google.com/org/opencv/core/Mat.html) | [**vector\_vector\_Point\_to\_Mat**](http://docs.google.com/org/opencv/utils/Converters.html#vector_vector_Point_to_Mat(java.util.List,%20java.util.List))(java.util.List<[MatOfPoint](http://docs.google.com/org/opencv/core/MatOfPoint.html)> pts, java.util.List<[Mat](http://docs.google.com/org/opencv/core/Mat.html)> mats) |
| static [Mat](http://docs.google.com/org/opencv/core/Mat.html) | [**vector\_vector\_Point2f\_to\_Mat**](http://docs.google.com/org/opencv/utils/Converters.html#vector_vector_Point2f_to_Mat(java.util.List,%20java.util.List))(java.util.List<[MatOfPoint2f](http://docs.google.com/org/opencv/core/MatOfPoint2f.html)> pts, java.util.List<[Mat](http://docs.google.com/org/opencv/core/Mat.html)> mats) |
| static [Mat](http://docs.google.com/org/opencv/core/Mat.html) | [**vector\_vector\_Point3f\_to\_Mat**](http://docs.google.com/org/opencv/utils/Converters.html#vector_vector_Point3f_to_Mat(java.util.List,%20java.util.List))(java.util.List<[MatOfPoint3f](http://docs.google.com/org/opencv/core/MatOfPoint3f.html)> pts, java.util.List<[Mat](http://docs.google.com/org/opencv/core/Mat.html)> mats) |

### Methods inherited from class java.lang.Objectequals, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

### Constructor Detail

#### Converters public Converters()

### Method Detail

#### Mat\_to\_vector\_char public static void Mat\_to\_vector\_char([Mat](http://docs.google.com/org/opencv/core/Mat.html) m, java.util.List<java.lang.Byte> bs)

#### Mat\_to\_vector\_DMatch public static void Mat\_to\_vector\_DMatch([Mat](http://docs.google.com/org/opencv/core/Mat.html) m, java.util.List<[DMatch](http://docs.google.com/org/opencv/core/DMatch.html)> matches)

#### Mat\_to\_vector\_double public static void Mat\_to\_vector\_double([Mat](http://docs.google.com/org/opencv/core/Mat.html) m, java.util.List<java.lang.Double> ds)

#### Mat\_to\_vector\_float public static void Mat\_to\_vector\_float([Mat](http://docs.google.com/org/opencv/core/Mat.html) m, java.util.List<java.lang.Float> fs)

#### Mat\_to\_vector\_int public static void Mat\_to\_vector\_int([Mat](http://docs.google.com/org/opencv/core/Mat.html) m, java.util.List<java.lang.Integer> is)

#### Mat\_to\_vector\_KeyPoint public static void Mat\_to\_vector\_KeyPoint([Mat](http://docs.google.com/org/opencv/core/Mat.html) m, java.util.List<[KeyPoint](http://docs.google.com/org/opencv/core/KeyPoint.html)> kps)

#### Mat\_to\_vector\_Mat public static void Mat\_to\_vector\_Mat([Mat](http://docs.google.com/org/opencv/core/Mat.html) m, java.util.List<[Mat](http://docs.google.com/org/opencv/core/Mat.html)> mats)

#### Mat\_to\_vector\_Point public static void Mat\_to\_vector\_Point([Mat](http://docs.google.com/org/opencv/core/Mat.html) m, java.util.List<[Point](http://docs.google.com/org/opencv/core/Point.html)> pts)

#### Mat\_to\_vector\_Point2d public static void Mat\_to\_vector\_Point2d([Mat](http://docs.google.com/org/opencv/core/Mat.html) m, java.util.List<[Point](http://docs.google.com/org/opencv/core/Point.html)> pts)

#### Mat\_to\_vector\_Point2f public static void Mat\_to\_vector\_Point2f([Mat](http://docs.google.com/org/opencv/core/Mat.html) m, java.util.List<[Point](http://docs.google.com/org/opencv/core/Point.html)> pts)

#### Mat\_to\_vector\_Point3 public static void Mat\_to\_vector\_Point3([Mat](http://docs.google.com/org/opencv/core/Mat.html) m, java.util.List<[Point3](http://docs.google.com/org/opencv/core/Point3.html)> pts)

#### Mat\_to\_vector\_Point3d public static void Mat\_to\_vector\_Point3d([Mat](http://docs.google.com/org/opencv/core/Mat.html) m, java.util.List<[Point3](http://docs.google.com/org/opencv/core/Point3.html)> pts)

#### Mat\_to\_vector\_Point3f public static void Mat\_to\_vector\_Point3f([Mat](http://docs.google.com/org/opencv/core/Mat.html) m, java.util.List<[Point3](http://docs.google.com/org/opencv/core/Point3.html)> pts)

#### Mat\_to\_vector\_Point3i public static void Mat\_to\_vector\_Point3i([Mat](http://docs.google.com/org/opencv/core/Mat.html) m, java.util.List<[Point3](http://docs.google.com/org/opencv/core/Point3.html)> pts)

#### Mat\_to\_vector\_Rect public static void Mat\_to\_vector\_Rect([Mat](http://docs.google.com/org/opencv/core/Mat.html) m, java.util.List<[Rect](http://docs.google.com/org/opencv/core/Rect.html)> rs)

#### Mat\_to\_vector\_Rect2d public static void Mat\_to\_vector\_Rect2d([Mat](http://docs.google.com/org/opencv/core/Mat.html) m, java.util.List<[Rect2d](http://docs.google.com/org/opencv/core/Rect2d.html)> rs)

#### Mat\_to\_vector\_RotatedRect public static void Mat\_to\_vector\_RotatedRect([Mat](http://docs.google.com/org/opencv/core/Mat.html) m, java.util.List<[RotatedRect](http://docs.google.com/org/opencv/core/RotatedRect.html)> rs)

#### Mat\_to\_vector\_uchar public static void Mat\_to\_vector\_uchar([Mat](http://docs.google.com/org/opencv/core/Mat.html) m, java.util.List<java.lang.Byte> us)

#### Mat\_to\_vector\_vector\_char public static void Mat\_to\_vector\_vector\_char([Mat](http://docs.google.com/org/opencv/core/Mat.html) m, java.util.List<java.util.List<java.lang.Byte>> llb)

#### Mat\_to\_vector\_vector\_DMatch public static void Mat\_to\_vector\_vector\_DMatch([Mat](http://docs.google.com/org/opencv/core/Mat.html) m, java.util.List<[MatOfDMatch](http://docs.google.com/org/opencv/core/MatOfDMatch.html)> lvdm)

#### Mat\_to\_vector\_vector\_KeyPoint public static void Mat\_to\_vector\_vector\_KeyPoint([Mat](http://docs.google.com/org/opencv/core/Mat.html) m, java.util.List<[MatOfKeyPoint](http://docs.google.com/org/opencv/core/MatOfKeyPoint.html)> kps)

#### Mat\_to\_vector\_vector\_Point public static void Mat\_to\_vector\_vector\_Point([Mat](http://docs.google.com/org/opencv/core/Mat.html) m, java.util.List<[MatOfPoint](http://docs.google.com/org/opencv/core/MatOfPoint.html)> pts)

#### Mat\_to\_vector\_vector\_Point2f public static void Mat\_to\_vector\_vector\_Point2f([Mat](http://docs.google.com/org/opencv/core/Mat.html) m, java.util.List<[MatOfPoint2f](http://docs.google.com/org/opencv/core/MatOfPoint2f.html)> pts)

#### Mat\_to\_vector\_vector\_Point3f public static void Mat\_to\_vector\_vector\_Point3f([Mat](http://docs.google.com/org/opencv/core/Mat.html) m, java.util.List<[MatOfPoint3f](http://docs.google.com/org/opencv/core/MatOfPoint3f.html)> pts)

#### vector\_char\_to\_Mat public static [Mat](http://docs.google.com/org/opencv/core/Mat.html) vector\_char\_to\_Mat(java.util.List<java.lang.Byte> bs)

#### vector\_DMatch\_to\_Mat public static [Mat](http://docs.google.com/org/opencv/core/Mat.html) vector\_DMatch\_to\_Mat(java.util.List<[DMatch](http://docs.google.com/org/opencv/core/DMatch.html)> matches)

#### vector\_double\_to\_Mat public static [Mat](http://docs.google.com/org/opencv/core/Mat.html) vector\_double\_to\_Mat(java.util.List<java.lang.Double> ds)

#### vector\_float\_to\_Mat public static [Mat](http://docs.google.com/org/opencv/core/Mat.html) vector\_float\_to\_Mat(java.util.List<java.lang.Float> fs)

#### vector\_int\_to\_Mat public static [Mat](http://docs.google.com/org/opencv/core/Mat.html) vector\_int\_to\_Mat(java.util.List<java.lang.Integer> is)

#### vector\_KeyPoint\_to\_Mat public static [Mat](http://docs.google.com/org/opencv/core/Mat.html) vector\_KeyPoint\_to\_Mat(java.util.List<[KeyPoint](http://docs.google.com/org/opencv/core/KeyPoint.html)> kps)

#### vector\_Mat\_to\_Mat public static [Mat](http://docs.google.com/org/opencv/core/Mat.html) vector\_Mat\_to\_Mat(java.util.List<[Mat](http://docs.google.com/org/opencv/core/Mat.html)> mats)

#### vector\_Point\_to\_Mat public static [Mat](http://docs.google.com/org/opencv/core/Mat.html) vector\_Point\_to\_Mat(java.util.List<[Point](http://docs.google.com/org/opencv/core/Point.html)> pts)

#### vector\_Point\_to\_Mat public static [Mat](http://docs.google.com/org/opencv/core/Mat.html) vector\_Point\_to\_Mat(java.util.List<[Point](http://docs.google.com/org/opencv/core/Point.html)> pts, int typeDepth)

#### vector\_Point2d\_to\_Mat public static [Mat](http://docs.google.com/org/opencv/core/Mat.html) vector\_Point2d\_to\_Mat(java.util.List<[Point](http://docs.google.com/org/opencv/core/Point.html)> pts)

#### vector\_Point2f\_to\_Mat public static [Mat](http://docs.google.com/org/opencv/core/Mat.html) vector\_Point2f\_to\_Mat(java.util.List<[Point](http://docs.google.com/org/opencv/core/Point.html)> pts)

#### vector\_Point3\_to\_Mat public static [Mat](http://docs.google.com/org/opencv/core/Mat.html) vector\_Point3\_to\_Mat(java.util.List<[Point3](http://docs.google.com/org/opencv/core/Point3.html)> pts, int typeDepth)

#### vector\_Point3d\_to\_Mat public static [Mat](http://docs.google.com/org/opencv/core/Mat.html) vector\_Point3d\_to\_Mat(java.util.List<[Point3](http://docs.google.com/org/opencv/core/Point3.html)> pts)

#### vector\_Point3f\_to\_Mat public static [Mat](http://docs.google.com/org/opencv/core/Mat.html) vector\_Point3f\_to\_Mat(java.util.List<[Point3](http://docs.google.com/org/opencv/core/Point3.html)> pts)

#### vector\_Point3i\_to\_Mat public static [Mat](http://docs.google.com/org/opencv/core/Mat.html) vector\_Point3i\_to\_Mat(java.util.List<[Point3](http://docs.google.com/org/opencv/core/Point3.html)> pts)

#### vector\_Rect\_to\_Mat public static [Mat](http://docs.google.com/org/opencv/core/Mat.html) vector\_Rect\_to\_Mat(java.util.List<[Rect](http://docs.google.com/org/opencv/core/Rect.html)> rs)

#### vector\_Rect2d\_to\_Mat public static [Mat](http://docs.google.com/org/opencv/core/Mat.html) vector\_Rect2d\_to\_Mat(java.util.List<[Rect2d](http://docs.google.com/org/opencv/core/Rect2d.html)> rs)

#### vector\_RotatedRect\_to\_Mat public static [Mat](http://docs.google.com/org/opencv/core/Mat.html) vector\_RotatedRect\_to\_Mat(java.util.List<[RotatedRect](http://docs.google.com/org/opencv/core/RotatedRect.html)> rs)

#### vector\_uchar\_to\_Mat public static [Mat](http://docs.google.com/org/opencv/core/Mat.html) vector\_uchar\_to\_Mat(java.util.List<java.lang.Byte> bs)

#### vector\_vector\_char\_to\_Mat public static [Mat](http://docs.google.com/org/opencv/core/Mat.html) vector\_vector\_char\_to\_Mat(java.util.List<[MatOfByte](http://docs.google.com/org/opencv/core/MatOfByte.html)> lvb, java.util.List<[Mat](http://docs.google.com/org/opencv/core/Mat.html)> mats)

#### vector\_vector\_DMatch\_to\_Mat public static [Mat](http://docs.google.com/org/opencv/core/Mat.html) vector\_vector\_DMatch\_to\_Mat(java.util.List<[MatOfDMatch](http://docs.google.com/org/opencv/core/MatOfDMatch.html)> lvdm, java.util.List<[Mat](http://docs.google.com/org/opencv/core/Mat.html)> mats)

#### vector\_vector\_KeyPoint\_to\_Mat public static [Mat](http://docs.google.com/org/opencv/core/Mat.html) vector\_vector\_KeyPoint\_to\_Mat(java.util.List<[MatOfKeyPoint](http://docs.google.com/org/opencv/core/MatOfKeyPoint.html)> kps, java.util.List<[Mat](http://docs.google.com/org/opencv/core/Mat.html)> mats)

#### vector\_vector\_Point\_to\_Mat public static [Mat](http://docs.google.com/org/opencv/core/Mat.html) vector\_vector\_Point\_to\_Mat(java.util.List<[MatOfPoint](http://docs.google.com/org/opencv/core/MatOfPoint.html)> pts, java.util.List<[Mat](http://docs.google.com/org/opencv/core/Mat.html)> mats)

#### vector\_vector\_Point2f\_to\_Mat public static [Mat](http://docs.google.com/org/opencv/core/Mat.html) vector\_vector\_Point2f\_to\_Mat(java.util.List<[MatOfPoint2f](http://docs.google.com/org/opencv/core/MatOfPoint2f.html)> pts, java.util.List<[Mat](http://docs.google.com/org/opencv/core/Mat.html)> mats)

#### vector\_vector\_Point3f\_to\_Mat public static [Mat](http://docs.google.com/org/opencv/core/Mat.html) vector\_vector\_Point3f\_to\_Mat(java.util.List<[MatOfPoint3f](http://docs.google.com/org/opencv/core/MatOfPoint3f.html)> pts, java.util.List<[Mat](http://docs.google.com/org/opencv/core/Mat.html)> mats)

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