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org.opencv.imgproc

## Class Moments

* java.lang.Object
  + org.opencv.imgproc.Moments
* public class Moments  
  extends java.lang.Object

### Field SummaryFields

| Modifier and Type | Field and Description |
| --- | --- |
| double | [**m00**](http://docs.google.com/org/opencv/imgproc/Moments.html#m00) |
| double | [**m01**](http://docs.google.com/org/opencv/imgproc/Moments.html#m01) |
| double | [**m02**](http://docs.google.com/org/opencv/imgproc/Moments.html#m02) |
| double | [**m03**](http://docs.google.com/org/opencv/imgproc/Moments.html#m03) |
| double | [**m10**](http://docs.google.com/org/opencv/imgproc/Moments.html#m10) |
| double | [**m11**](http://docs.google.com/org/opencv/imgproc/Moments.html#m11) |
| double | [**m12**](http://docs.google.com/org/opencv/imgproc/Moments.html#m12) |
| double | [**m20**](http://docs.google.com/org/opencv/imgproc/Moments.html#m20) |
| double | [**m21**](http://docs.google.com/org/opencv/imgproc/Moments.html#m21) |
| double | [**m30**](http://docs.google.com/org/opencv/imgproc/Moments.html#m30) |
| double | [**mu02**](http://docs.google.com/org/opencv/imgproc/Moments.html#mu02) |
| double | [**mu03**](http://docs.google.com/org/opencv/imgproc/Moments.html#mu03) |
| double | [**mu11**](http://docs.google.com/org/opencv/imgproc/Moments.html#mu11) |
| double | [**mu12**](http://docs.google.com/org/opencv/imgproc/Moments.html#mu12) |
| double | [**mu20**](http://docs.google.com/org/opencv/imgproc/Moments.html#mu20) |
| double | [**mu21**](http://docs.google.com/org/opencv/imgproc/Moments.html#mu21) |
| double | [**mu30**](http://docs.google.com/org/opencv/imgproc/Moments.html#mu30) |
| double | [**nu02**](http://docs.google.com/org/opencv/imgproc/Moments.html#nu02) |
| double | [**nu03**](http://docs.google.com/org/opencv/imgproc/Moments.html#nu03) |
| double | [**nu11**](http://docs.google.com/org/opencv/imgproc/Moments.html#nu11) |
| double | [**nu12**](http://docs.google.com/org/opencv/imgproc/Moments.html#nu12) |
| double | [**nu20**](http://docs.google.com/org/opencv/imgproc/Moments.html#nu20) |
| double | [**nu21**](http://docs.google.com/org/opencv/imgproc/Moments.html#nu21) |
| double | [**nu30**](http://docs.google.com/org/opencv/imgproc/Moments.html#nu30) |

### Constructor SummaryConstructors

| Constructor and Description |
| --- |
| [**Moments**](http://docs.google.com/org/opencv/imgproc/Moments.html#Moments())() |
| [**Moments**](http://docs.google.com/org/opencv/imgproc/Moments.html#Moments(double%5B%5D))(double[] vals) |
| [**Moments**](http://docs.google.com/org/opencv/imgproc/Moments.html#Moments(double,%20double,%20double,%20double,%20double,%20double,%20double,%20double,%20double,%20double))(double m00, double m10, double m01, double m20, double m11, double m02, double m30, double m21, double m12, double m03) |

### Method SummaryMethods

| Modifier and Type | Method and Description |
| --- | --- |
| double | [**get\_m00**](http://docs.google.com/org/opencv/imgproc/Moments.html#get_m00())() |
| double | [**get\_m01**](http://docs.google.com/org/opencv/imgproc/Moments.html#get_m01())() |
| double | [**get\_m02**](http://docs.google.com/org/opencv/imgproc/Moments.html#get_m02())() |
| double | [**get\_m03**](http://docs.google.com/org/opencv/imgproc/Moments.html#get_m03())() |
| double | [**get\_m10**](http://docs.google.com/org/opencv/imgproc/Moments.html#get_m10())() |
| double | [**get\_m11**](http://docs.google.com/org/opencv/imgproc/Moments.html#get_m11())() |
| double | [**get\_m12**](http://docs.google.com/org/opencv/imgproc/Moments.html#get_m12())() |
| double | [**get\_m20**](http://docs.google.com/org/opencv/imgproc/Moments.html#get_m20())() |
| double | [**get\_m21**](http://docs.google.com/org/opencv/imgproc/Moments.html#get_m21())() |
| double | [**get\_m30**](http://docs.google.com/org/opencv/imgproc/Moments.html#get_m30())() |
| double | [**get\_mu02**](http://docs.google.com/org/opencv/imgproc/Moments.html#get_mu02())() |
| double | [**get\_mu03**](http://docs.google.com/org/opencv/imgproc/Moments.html#get_mu03())() |
| double | [**get\_mu11**](http://docs.google.com/org/opencv/imgproc/Moments.html#get_mu11())() |
| double | [**get\_mu12**](http://docs.google.com/org/opencv/imgproc/Moments.html#get_mu12())() |
| double | [**get\_mu20**](http://docs.google.com/org/opencv/imgproc/Moments.html#get_mu20())() |
| double | [**get\_mu21**](http://docs.google.com/org/opencv/imgproc/Moments.html#get_mu21())() |
| double | [**get\_mu30**](http://docs.google.com/org/opencv/imgproc/Moments.html#get_mu30())() |
| double | [**get\_nu02**](http://docs.google.com/org/opencv/imgproc/Moments.html#get_nu02())() |
| double | [**get\_nu03**](http://docs.google.com/org/opencv/imgproc/Moments.html#get_nu03())() |
| double | [**get\_nu11**](http://docs.google.com/org/opencv/imgproc/Moments.html#get_nu11())() |
| double | [**get\_nu12**](http://docs.google.com/org/opencv/imgproc/Moments.html#get_nu12())() |
| double | [**get\_nu20**](http://docs.google.com/org/opencv/imgproc/Moments.html#get_nu20())() |
| double | [**get\_nu21**](http://docs.google.com/org/opencv/imgproc/Moments.html#get_nu21())() |
| double | [**get\_nu30**](http://docs.google.com/org/opencv/imgproc/Moments.html#get_nu30())() |
| void | [**set\_m00**](http://docs.google.com/org/opencv/imgproc/Moments.html#set_m00(double))(double m00) |
| void | [**set\_m01**](http://docs.google.com/org/opencv/imgproc/Moments.html#set_m01(double))(double m01) |
| void | [**set\_m02**](http://docs.google.com/org/opencv/imgproc/Moments.html#set_m02(double))(double m02) |
| void | [**set\_m03**](http://docs.google.com/org/opencv/imgproc/Moments.html#set_m03(double))(double m03) |
| void | [**set\_m10**](http://docs.google.com/org/opencv/imgproc/Moments.html#set_m10(double))(double m10) |
| void | [**set\_m11**](http://docs.google.com/org/opencv/imgproc/Moments.html#set_m11(double))(double m11) |
| void | [**set\_m12**](http://docs.google.com/org/opencv/imgproc/Moments.html#set_m12(double))(double m12) |
| void | [**set\_m20**](http://docs.google.com/org/opencv/imgproc/Moments.html#set_m20(double))(double m20) |
| void | [**set\_m21**](http://docs.google.com/org/opencv/imgproc/Moments.html#set_m21(double))(double m21) |
| void | [**set\_m30**](http://docs.google.com/org/opencv/imgproc/Moments.html#set_m30(double))(double m30) |
| void | [**set\_mu02**](http://docs.google.com/org/opencv/imgproc/Moments.html#set_mu02(double))(double mu02) |
| void | [**set\_mu03**](http://docs.google.com/org/opencv/imgproc/Moments.html#set_mu03(double))(double mu03) |
| void | [**set\_mu11**](http://docs.google.com/org/opencv/imgproc/Moments.html#set_mu11(double))(double mu11) |
| void | [**set\_mu12**](http://docs.google.com/org/opencv/imgproc/Moments.html#set_mu12(double))(double mu12) |
| void | [**set\_mu20**](http://docs.google.com/org/opencv/imgproc/Moments.html#set_mu20(double))(double mu20) |
| void | [**set\_mu21**](http://docs.google.com/org/opencv/imgproc/Moments.html#set_mu21(double))(double mu21) |
| void | [**set\_mu30**](http://docs.google.com/org/opencv/imgproc/Moments.html#set_mu30(double))(double mu30) |
| void | [**set\_nu02**](http://docs.google.com/org/opencv/imgproc/Moments.html#set_nu02(double))(double nu02) |
| void | [**set\_nu03**](http://docs.google.com/org/opencv/imgproc/Moments.html#set_nu03(double))(double nu03) |
| void | [**set\_nu11**](http://docs.google.com/org/opencv/imgproc/Moments.html#set_nu11(double))(double nu11) |
| void | [**set\_nu12**](http://docs.google.com/org/opencv/imgproc/Moments.html#set_nu12(double))(double nu12) |
| void | [**set\_nu20**](http://docs.google.com/org/opencv/imgproc/Moments.html#set_nu20(double))(double nu20) |
| void | [**set\_nu21**](http://docs.google.com/org/opencv/imgproc/Moments.html#set_nu21(double))(double nu21) |
| void | [**set\_nu30**](http://docs.google.com/org/opencv/imgproc/Moments.html#set_nu30(double))(double nu30) |
| void | [**set**](http://docs.google.com/org/opencv/imgproc/Moments.html#set(double%5B%5D))(double[] vals) |
| java.lang.String | [**toString**](http://docs.google.com/org/opencv/imgproc/Moments.html#toString())() |

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

### Field Detail

#### m00 public double m00

#### m01 public double m01

#### m02 public double m02

#### m03 public double m03

#### m10 public double m10

#### m11 public double m11

#### m12 public double m12

#### m20 public double m20

#### m21 public double m21

#### m30 public double m30

#### mu02 public double mu02

#### mu03 public double mu03

#### mu11 public double mu11

#### mu12 public double mu12

#### mu20 public double mu20

#### mu21 public double mu21

#### mu30 public double mu30

#### nu02 public double nu02

#### nu03 public double nu03

#### nu11 public double nu11

#### nu12 public double nu12

#### nu20 public double nu20

#### nu21 public double nu21

#### nu30 public double nu30

### Constructor Detail

#### Moments public Moments()

#### Moments public Moments(double[] vals)

#### Moments public Moments(double m00, double m10, double m01, double m20, double m11, double m02, double m30, double m21, double m12, double m03)

### Method Detail

#### get\_m00 public double get\_m00()

#### get\_m01 public double get\_m01()

#### get\_m02 public double get\_m02()

#### get\_m03 public double get\_m03()

#### get\_m10 public double get\_m10()

#### get\_m11 public double get\_m11()

#### get\_m12 public double get\_m12()

#### get\_m20 public double get\_m20()

#### get\_m21 public double get\_m21()

#### get\_m30 public double get\_m30()

#### get\_mu02 public double get\_mu02()

#### get\_mu03 public double get\_mu03()

#### get\_mu11 public double get\_mu11()

#### get\_mu12 public double get\_mu12()

#### get\_mu20 public double get\_mu20()

#### get\_mu21 public double get\_mu21()

#### get\_mu30 public double get\_mu30()

#### get\_nu02 public double get\_nu02()

#### get\_nu03 public double get\_nu03()

#### get\_nu11 public double get\_nu11()

#### get\_nu12 public double get\_nu12()

#### get\_nu20 public double get\_nu20()

#### get\_nu21 public double get\_nu21()

#### get\_nu30 public double get\_nu30()

#### set\_m00 public void set\_m00(double m00)

#### set\_m01 public void set\_m01(double m01)

#### set\_m02 public void set\_m02(double m02)

#### set\_m03 public void set\_m03(double m03)

#### set\_m10 public void set\_m10(double m10)

#### set\_m11 public void set\_m11(double m11)

#### set\_m12 public void set\_m12(double m12)

#### set\_m20 public void set\_m20(double m20)

#### set\_m21 public void set\_m21(double m21)

#### set\_m30 public void set\_m30(double m30)

#### set\_mu02 public void set\_mu02(double mu02)

#### set\_mu03 public void set\_mu03(double mu03)

#### set\_mu11 public void set\_mu11(double mu11)

#### set\_mu12 public void set\_mu12(double mu12)

#### set\_mu20 public void set\_mu20(double mu20)

#### set\_mu21 public void set\_mu21(double mu21)

#### set\_mu30 public void set\_mu30(double mu30)

#### set\_nu02 public void set\_nu02(double nu02)

#### set\_nu03 public void set\_nu03(double nu03)

#### set\_nu11 public void set\_nu11(double nu11)

#### set\_nu12 public void set\_nu12(double nu12)

#### set\_nu20 public void set\_nu20(double nu20)

#### set\_nu21 public void set\_nu21(double nu21)

#### set\_nu30 public void set\_nu30(double nu30)

#### set public void set(double[] vals)

#### toString public java.lang.String toString()**Overrides:** toString in class java.lang.Object

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