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/core/Rect.html)
* [Next Class](http://docs.google.com/org/opencv/core/RotatedRect.html)
* [Frames](http://docs.google.com/index.html?org/opencv/core/Rect2d.html)
* [No Frames](http://docs.google.com/Rect2d.html)
* [All Classes](http://docs.google.com/allclasses-noframe.html)
* Summary:
* Nested |
* [Field](#3znysh7) |
* [Constr](#2et92p0) |
* [Method](#tyjcwt)
* Detail:
* [Field](#1t3h5sf) |
* [Constr](#26in1rg) |
* [Method](#z337ya)

org.opencv.core

## Class Rect2d

* java.lang.Object
  + org.opencv.core.Rect2d
* public class Rect2d  
  extends java.lang.Object

### Field SummaryFields

| Modifier and Type | Field and Description |
| --- | --- |
| double | [**height**](http://docs.google.com/org/opencv/core/Rect2d.html#height) |
| double | [**width**](http://docs.google.com/org/opencv/core/Rect2d.html#width) |
| double | [**x**](http://docs.google.com/org/opencv/core/Rect2d.html#x) |
| double | [**y**](http://docs.google.com/org/opencv/core/Rect2d.html#y) |

### Constructor SummaryConstructors

| Constructor and Description |
| --- |
| [**Rect2d**](http://docs.google.com/org/opencv/core/Rect2d.html#Rect2d())() |
| [**Rect2d**](http://docs.google.com/org/opencv/core/Rect2d.html#Rect2d(double%5B%5D))(double[] vals) |
| [**Rect2d**](http://docs.google.com/org/opencv/core/Rect2d.html#Rect2d(double,%20double,%20double,%20double))(double x, double y, double width, double height) |
| [**Rect2d**](http://docs.google.com/org/opencv/core/Rect2d.html#Rect2d(org.opencv.core.Point,%20org.opencv.core.Point))([Point](http://docs.google.com/org/opencv/core/Point.html) p1, [Point](http://docs.google.com/org/opencv/core/Point.html) p2) |
| [**Rect2d**](http://docs.google.com/org/opencv/core/Rect2d.html#Rect2d(org.opencv.core.Point,%20org.opencv.core.Size))([Point](http://docs.google.com/org/opencv/core/Point.html) p, [Size](http://docs.google.com/org/opencv/core/Size.html) s) |

### Method SummaryMethods

| Modifier and Type | Method and Description |
| --- | --- |
| double | [**area**](http://docs.google.com/org/opencv/core/Rect2d.html#area())() |
| [Point](http://docs.google.com/org/opencv/core/Point.html) | [**br**](http://docs.google.com/org/opencv/core/Rect2d.html#br())() |
| [Rect2d](http://docs.google.com/org/opencv/core/Rect2d.html) | [**clone**](http://docs.google.com/org/opencv/core/Rect2d.html#clone())() |
| boolean | [**contains**](http://docs.google.com/org/opencv/core/Rect2d.html#contains(org.opencv.core.Point))([Point](http://docs.google.com/org/opencv/core/Point.html) p) |
| boolean | [**empty**](http://docs.google.com/org/opencv/core/Rect2d.html#empty())() |
| boolean | [**equals**](http://docs.google.com/org/opencv/core/Rect2d.html#equals(java.lang.Object))(java.lang.Object obj) |
| int | [**hashCode**](http://docs.google.com/org/opencv/core/Rect2d.html#hashCode())() |
| void | [**set**](http://docs.google.com/org/opencv/core/Rect2d.html#set(double%5B%5D))(double[] vals) |
| [Size](http://docs.google.com/org/opencv/core/Size.html) | [**size**](http://docs.google.com/org/opencv/core/Rect2d.html#size())() |
| [Point](http://docs.google.com/org/opencv/core/Point.html) | [**tl**](http://docs.google.com/org/opencv/core/Rect2d.html#tl())() |
| java.lang.String | [**toString**](http://docs.google.com/org/opencv/core/Rect2d.html#toString())() |

### Methods inherited from class java.lang.ObjectgetClass, notify, notifyAll, wait, wait, wait

### Field Detail

#### height public double height

#### width public double width

#### x public double x

#### y public double y

### Constructor Detail

#### Rect2d public Rect2d()

#### Rect2d public Rect2d(double[] vals)

#### Rect2d public Rect2d(double x, double y, double width, double height)

#### Rect2d public Rect2d([Point](http://docs.google.com/org/opencv/core/Point.html) p1, [Point](http://docs.google.com/org/opencv/core/Point.html) p2)

#### Rect2d public Rect2d([Point](http://docs.google.com/org/opencv/core/Point.html) p, [Size](http://docs.google.com/org/opencv/core/Size.html) s)

### Method Detail

#### area public double area()

#### br public [Point](http://docs.google.com/org/opencv/core/Point.html) br()

#### clone public [Rect2d](http://docs.google.com/org/opencv/core/Rect2d.html) clone()**Overrides:** clone in class java.lang.Object

#### contains public boolean contains([Point](http://docs.google.com/org/opencv/core/Point.html) p)

#### empty public boolean empty()

#### equals public boolean equals(java.lang.Object obj)**Overrides:** equals in class java.lang.Object

#### hashCode public int hashCode()**Overrides:** hashCode in class java.lang.Object

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

#### size public [Size](http://docs.google.com/org/opencv/core/Size.html) size()

#### tl public [Point](http://docs.google.com/org/opencv/core/Point.html) tl()

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

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