

com._604robotics.robot2012.vision

Class Quad

java.lang.Object
com._604robotics.robot2012.vision.Quad

public class **Quad**
extends java.lang.Object

A class representing a Quadrilateral, with four corner points.

Constructor Summary

Constructors

Constructor and Description
<code>Quad(Point2d topLeft, Point2d topRight, Point2d bottomLeft, Point2d bottomRight)</code>

Method Summary

Methods

Modifier and Type	Method and Description
double	<code>getAvgHeight()</code>
double	<code>getAvgWidth()</code>
double	<code>getAvgX()</code>
double	<code>getAvgY()</code>
double	<code>getMaxX()</code>
double	<code>getMaxY()</code>
double	<code>getMinX()</code>
double	<code>getMinY()</code>
java.lang.String	<code>toString()</code>

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, wait, wait, wait

Constructor Detail

Quad

```
public Quad(Point2d topLeft,
            Point2d topRight,
            Point2d bottomLeft,
            Point2d bottomRight)
```

Parameters:

topLeft -

topRight -

bottomLeft -

bottomRight -

Method Detail

toString

```
public java.lang.String toString()
```

Overrides:

`toString` in class `java.lang.Object`

getAvgWidth

```
public double getAvgWidth()
```

Returns:

the average width of this Quad

getAvgHeight

```
public double getAvgHeight()
```

Returns:

the average height of this Quad

getAvgX

```
public double getAvgX()
```

Returns:

the average X values of this Quad

getAvgY

```
public double getAvgY()
```

Returns:

the average Y values of this Quad

getMinX

```
public double getMinX()
```

Returns:

the minimum X value of this Quad

getMaxX

```
public double getMaxX()
```

Returns:

the maximum X value of this Quad

getMinY

```
public double getMinY()
```

Returns:

the minimum Y value of this Quad

getMaxY

```
public double getMaxY()
```

Returns:

the maximum Y value of this Quad

