


 **java.awt.geom.***

Rectangles

Methods declared in supertypes are hidden in subtypes

 **java.awt. Shape**

Accessors

Rectangle getBounds ()
Rectangle2D getBounds2D ()
PathIterator getPathIterator (AffineTransform at)
PathIterator getPathIterator (AffineTransform at, double flatness)

Other Public Methods

boolean contains (Point2D p)
boolean contains (Rectangle2D r)
boolean contains (double x, double y)
boolean contains (double x, double y, double w, double h)
boolean intersects (Rectangle2D r)
boolean intersects (double x, double y, double w, double h)

 **Cloneable**

 **RectangularShape**

RectangularShape ()

Accessors

double getCenterX ()
double getCenterY ()
Rectangle2D get / setFrame ()
double getHeight ()
double getMaxX ()
double getMaxY ()
double getMinX ()
double getMinY ()
double getWidth ()
double getX ()
double getY ()
boolean isEmpty ()
void setFrame (Point2D loc, Dimension2D size)
void setFrame (double x, double y, double w, double h)
void setFrameFromCenter (Point2D center, Point2D corner)
void setFrameFromCenter (double centerX, double centerY, double cornerX, double cornerY)
void setFrameFromDiagonal (Point2D p1, Point2D p2)
void setFrameFromDiagonal (double x1, double y1, double x2, double y2)

Object

Object clone ()

 **Rectangle2D**

Rectangle2D ()

Static Methods

void intersect (Rectangle2D src1, Rectangle2D src2, Rectangle2D dest)
void union (Rectangle2D src1, Rectangle2D src2, Rectangle2D dest)

Accessors

void setRect (Rectangle2D r)
void setRect (double x, double y, double w, double h)

Collectors

void add (Point2D pt)
void add (Rectangle2D r)
void add (double newx, double newy)

Object

boolean equals (Object obj)
int hashCode ()


Other Public Methods

Rectangle2D createIntersection (Rectangle2D r)
Rectangle2D createUnion (Rectangle2D r)
boolean intersectsLine (Line2D l)
boolean intersectsLine (double x1, double y1, double x2, double y2)
int outcode (Point2D p)
int outcode (double x, double y)

int OUT_LEFT, OUT_TOP, OUT_RIGHT, OUT_BOTTOM

class Double

class Float

 **Serializable**

 **Rectangle**

Rectangle ()
Rectangle (Rectangle r)
Rectangle (Point p)
Rectangle (Dimension d)
Rectangle (int width, int height)
Rectangle (Point p, Dimension d)
Rectangle (int x, int y, int width, int height)

Accessors

Point get / setLocation ()
Dimension get / setSize ()
void setBounds (int x, int y, int width, int height)
void setLocation (int x, int y)
void setSize (int width, int height)

Collectors

void add (Point pt)
void add (Rectangle r)
void add (int newx, int newy)

Object

String toString ()

Other Public Methods

boolean contains (Point p)
boolean contains (Rectangle r)
boolean contains (int x, int y)
boolean contains (int X, int Y, int W, int H)
void grow (int h, int v)
Rectangle intersection (Rectangle r)
boolean intersects (Rectangle r)
void translate (int x, int y)
Rectangle union (Rectangle r)

int x, y, width, height

 **Rectangle2D.Float**

Float ()
Float (float x, float y, float w, float h)

Accessors

void setRect (float x, float y, float w, float h)

Object

String toString ()


float x, y, width, height

 **Rectangle2D.Double**

Double ()
Double (double x, double y, double w, double h)

String toString ()


double x, y, width, height


RoundRectangle2D

RoundRectangle2D ()

double getArcHeight ()
double getArcWidth ()
void setRoundRect (RoundRectangle2D rr)
void setRoundRect (double x, double y, double w, double h,
double arcWidth, double arcHeight)


class Double
class Float


RoundRectangle2D.Float

Float ()
Float (float x, float y, float w, float h, float arcw, float arch)


void setRoundRect (float x, float y, float w, float h, float arcw, float arch)

float x, y, width, height, arcwidth, archeight


RoundRectangle2D.Double


Double ()
Double (double x, double y, double w, double h, double arcw, double arch)

double x, y, width, height, arcwidth, archeight


Ellipse2D


Ellipse2D ()

class Double
class Float


Ellipse2D.Double

Double ()
Double (double x, double y, double w, double h)


double x, y, width, height


Ellipse2D.Float

Float ()
Float (float x, float y, float w, float h)

void setFrame (float x, float y, float w, float h)

float x, y, width, height



Arc2D

Arc2D (int type)

Accessors
double get / setAngleExtent ()
double get / setAngleStart ()
int get / setArcType ()
Point2D getEndPoint ()
Point2D getStartPoint ()
void setAngleStart (Point2D p)
void setAngles (Point2D p1, Point2D p2)
void setAngles (double x1, double y1, double x2, double y2)
void setArc (Arc2D a)
void setArc (Rectangle2D rect, double angSt, double angExt, int closure)
void setArc (Point2D loc, Dimension2D size, double angSt, double angExt, int closure)
void setArc (double x, double y, double w, double h, double angSt, double angExt,
int closure)
void setArcByCenter (double x, double y, double radius, double angSt, double angExt,
int closure)
void setArcByTangent (Point2D p1, Point2D p2, Point2D p3, double radius)
Other Methods
boolean containsAngle (double angle)
Rectangle2D makeBounds (double x, double y, double w, double h)


int OPEN, CHORD, PIE

class Double
class Float


Arc2D.Float

Float ()
Float (int type)
Float (Rectangle2D ellipseBounds, float start,
float extent, int type)
Float (float x, float y, float w, float h, float start,
float extent, int type)

float x, y, width, height, start, extent


Arc2D.Double

Double ()
Double (int type)
Double (Rectangle2D ellipseBounds, double start,
double extent, int type)
Double (double x, double y, double w, double h,
double start, double extent, int type)

double x, y, width, height, start, extent