



javax.swing.* Utilities



SwingConstants

int CENTER, TOP, LEFT, BOTTOM, RIGHT, NORTH, NORTH_EAST, EAST, SOUTH_EAST, SOUTH, SOUTH_WEST, WEST, NORTH_WEST, HORIZONTAL, VERTICAL, LEADING, TRAILING, NEXT, PREVIOUS



SwingUtilities

```
Rectangle calculateInnnerArea (JComponent c, Rectangle r)
Rectangle[] computeDifference (Rectangle rectA, Rectangle rectB)
Rectangle computeIntersection (int x, int y, int width, int height, Rectangle dest)
    int computeStringWidth (FontMetrics fm, String str)
Rectangle computeUnion (int x, int y, int width, int height, Rectangle dest)
MouseEvent convertMouseEvent (Component source, MouseEvent sourceEvent, Component destination)
    Point convertPoint (Component source, Point aPoint, Component destination)
    Point convertPoint (Component source, int x, int y, Component destination)
    void convertPointFromScreen (Point p, Component c)
    void convertPointToScreen (Point p, Component c)
Rectangle convertRectangle (Component source, Rectangle aRectangle, Component destination)
Accessible getAccessibleAt (Component c, Point p)
Accessible getAccessibleChild (Component c, int i)
    int getAccessibleChildrenCount (Component c)
    int getAccessibleIndexInParent (Component c)
AccessibleStateSet getAccessibleStateSet (Component c)
Container getAncestorNamed (String name, Component comp)
Container getAncestorOfClass (Class c, Component comp)
Component getDeepestComponentAt (Component parent, int x, int y)
Rectangle getLocalBounds (Component aComponent)
Component getRoot (Component c)
JRootPane getRootPane (Component c)
ActionMap getUIActionMap (JComponent component)
InputMap getUIInputMap (JComponent component, int condition)
    Window getWindowAncestor (Component c)
    void invokeAndWait (Runnable doRun) ↴
    void invokeLater (Runnable doRun)
    boolean isDescendingFrom (Component a, Component b)
    boolean isEventDispatchThread ()
    boolean isLeftMouseButton (MouseEvent anEvent)
    boolean isMiddleMouseButton (MouseEvent anEvent)
    boolean isRectangleContainingRectangle (Rectangle a, Rectangle b)
    boolean isRightMouseButton (MouseEvent anEvent)
    String layoutCompoundLabel (FontMetrics fm, String text, Icon icon, int verticalAlignment,
        int horizontalAlignment, int verticalTextPosition, int horizontalTextPosition, Rectangle viewR,
        Rectangle iconR, Rectangle textR, int textIconGap)
    String layoutCompoundLabel (JComponent c, FontMetrics fm, String text, Icon icon, int verticalAlignment,
        int horizontalAlignment, int verticalTextPosition, int horizontalTextPosition, Rectangle viewR,
        Rectangle iconR, Rectangle textR, int textIconGap)
    boolean notifyAction (Action action, KeyStroke ks, KeyEvent event, Object sender, int modifiers)
    void paintComponent (Graphics g, Component c, Container p, Rectangle r)
    void paintComponent (Graphics g, Component c, Container p, int x, int y, int w, int h)
    boolean processKeyBindings (KeyEvent event)
    void replaceUIActionMap (JComponent component, ActionMap uiActionMap)
    void replaceUIInputMap (JComponent component, int type, InputMap uiInputMap)
    void updateComponentTreeUI (Component c)
Window windowForComponent (Component aComponent)
```



RepaintManager

RepaintManager ()

Static Methods

RepaintManager **currentManager** (Component c)
RepaintManager **currentManager** (JComponent c)
RepaintManager **setCurrentManager** (RepaintManager aRepaintManager)

Accessors

Rectangle **getDirtyRegion** (JComponent aComponent)
Dimension **get/setDoubleBufferMaximumSize** ()
Image **getOffscreenBuffer** (Component c, int proposedWidth, int proposedHeight)
Image **getVolatileOffscreenBuffer** (Component c, int proposedWidth, int proposedHeight)
boolean **isCompletelyDirty** (JComponent aComponent)
boolean **is/setDoubleBufferingEnabled** ()

Collectors

void **addDirtyRegion** (JComponent c, int x, int y, int w, int h)
void **add/removeInvalidComponent** (JComponent invalidComponent)

Object

String **toString** ()

Other Public Methods

void **markCompletelyClean** (JComponent aComponent)
void **markCompletelyDirty** (JComponent aComponent)
void **paintDirtyRegions** ()
void **validateInvalidComponents** ()



Serializable

TransferHandler

TransferHandler ()
TransferHandler (String property)

Static Methods

Action **getCopyAction** ()
Action **getCutAction** ()
Action **getPasteAction** ()

Accessors

int **getSourceActions** (JComponent c)

Icon **getVisualRepresentation** (Transferable t)

Event Methods

void **exportAsDrag** (JComponent comp, InputEvent e, int action)

Other Public Methods

boolean **canImport** (JComponent comp, DataFlavor[] transferFlavors)
void **exportToClipboard** (JComponent comp, Clipboard clip, int action)
boolean **importData** (JComponent comp, Transferable t)

Other Protected Methods

Transferable **createTransferable** (JComponent c)
exportDone (JComponent source, Transferable data, int action)

int **NONE, COPY, MOVE, COPY_OR_MOVE**