

# java.awt.\*

## Toolkit, Cursor, Robot



Serializable

### Cursor

**Cursor** (int type)  
# **Cursor** (String name)

Static Methods  
Cursor **getDefaultCursor** ()  
Cursor **getPredefinedCursor** (int type)  
Cursor **getSystemCustomCursor** (String name) ¶

Accessors  
String **getName** ()  
int **getType** ()

Object  
# void **finalize** () ¶  
String **toString** ()

int DEFAULT\_CURSOR, CROSSHAIR\_CURSOR,  
TEXT\_CURSOR, WAIT\_CURSOR,  
SW\_RESIZE\_CURSOR, SE\_RESIZE\_CURSOR,  
NW\_RESIZE\_CURSOR, NE\_RESIZE\_CURSOR,  
N\_RESIZE\_CURSOR, S\_RESIZE\_CURSOR,  
W\_RESIZE\_CURSOR, E\_RESIZE\_CURSOR,  
HAND\_CURSOR, MOVE\_CURSOR,  
CUSTOM\_CURSOR

### Robot

**Robot** () ¶  
**Robot** (GraphicsDevice screen) ¶

Accessors  
int **get / setAutoDelay** ()  
Color **getPixelColor** (int x, int y)  
boolean **is / setAutoWaitForIdle** ()

Object  
String **toString** ()

Other Public Methods  
BufferedImage **createScreenCapture** (Rectangle screenRect)  
void **delay** (int ms)  
void **keyPress** (int keycode)  
void **keyRelease** (int keycode)  
void **mouseMove** (int x, int y)  
void **mousePress** (int buttons)  
void **mouseRelease** (int buttons)  
void **mouseWheel** (int wheelAmt)  
void **waitForIdle** ()

### Toolkit

Static Methods  
Toolkit **getDefaultToolkit** ()  
# Container **getNativeContainer** (Component c)  
String **getProperty** (String key, String defaultValue)

Accessors  
Dimension **getBestCursorSize** (int preferredWidth, int preferredHeight) ¶  
ColorModel **getColorModel** () ¶  
Object **getDesktopProperty** (String propertyName) ¶  
Image **getImage** (String filename)  
Image **getImage** (URL url)  
boolean **get / setLockingKeyState** (int keyCode) ¶  
int **getMaximumCursorColors** () ¶  
int **getMenuShortcutKeyMask** () ¶  
PrintJob **getPrintJob** (Frame frame, String jobtitle, Properties props)  
PrintJob **getPrintJob** (Frame frame, String jobtitle, JobAttributes jobAttributes, PageAttributes pageAttributes)  
Insets **getScreenInsets** (GraphicsConfiguration gc) ¶  
int **getScreenResolution** () ¶  
Dimension **getScreenSize** () ¶  
Clipboard **getSystemClipboard** () ¶  
Clipboard **getSystemSelection** () ¶  
boolean **isDynamicLayoutActive** () ¶  
boolean **isDynamicLayoutSet** () ¶  
boolean **isFrameStateSupported** (int state) ¶  
# void **setDesktopProperty** (String name, Object newValue)  
void **setDynamicLayout** (boolean dynamic) ¶

Event Methods  
void **addAWTEventListener** (AWTEventListener listener, long eventMask)  
void **add / removePropertyChangeListener** (String name, PropertyChangeListener pcl)  
DragGestureRecognizer **createDragGestureRecognizer** (Class abstractRecognizerClass, DragSource ds, Component c, int srcActions, DragGestureListener dgl)  
DragSourceContextPeer **createDragSourceContextPeer** (DragGestureEvent dge) ¶  
AWTEventListener[] **getAWTEventListeners** ()  
AWTEventListener[] **getAWTEventListeners** (long eventMask)  
PropertyChangeListener[] **getPropertyChangeListeners** ()  
PropertyChangeListener[] **getPropertyChangeListeners** (String propertyName)  
EventQueue **getSystemEventQueue** ()  
# EventQueue **getSystemEventQueueImpl** ()  
void **removeAWTEventListener** (AWTEventListener listener)

Other Public Methods  
void **beep** ()  
int **checkImage** (Image image, int width, int height, ImageObserver observer)  
Cursor **createCustomCursor** (Image cursor, Point hotSpot, String name) ¶  
Image **createImage** (String filename)  
Image **createImage** (URL url)  
Image **createImage** (ImageProducer producer)  
Image **createImage** (byte[] imagedata)  
Image **createImage** (byte[] imagedata, int imageoffset, int imagelength)  
Map **mapInputMethodHighlight** (InputMethodHighlight highlight) ¶  
boolean **prepareImage** (Image image, int width, int height, ImageObserver observer)  
Object **run** ()  
void **sync** ()

Other Protected Methods  
# ButtonPeer **createButton** (Button target) ¶  
# CanvasPeer **createCanvas** (Canvas target)  
# CheckboxPeer **createCheckbox** (Checkbox target) ¶  
# CheckboxMenuItemPeer **createCheckboxMenuItem** (CheckboxMenuItem target) ¶  
# ChoicePeer **createChoice** (Choice target) ¶  
# LightweightPeer **createComponent** (Component target)  
# DialogPeer **createDialog** (Dialog target) ¶  
# FileDialogPeer **createFileDialog** (FileDialog target) ¶  
# FramePeer **createFrame** (Frame target) ¶  
# LabelPeer **createLabel** (Label target) ¶  
# ListPeer **createList** (java.awt.List target) ¶  
# MenuPeer **createMenu** (Menu target) ¶  
# MenuBarPeer **createMenuBar** (MenuBar target) ¶  
# MenuItemPeer **createMenuItem** (MenuItem target) ¶  
# PanelPeer **createPanel** (Panel target)  
# PopupMenuPeer **createPopupMenu** (PopupMenu target) ¶  
# ScrollPanePeer **createScrollPane** (ScrollPane target) ¶  
# ScrollbarPeer **createScrollbar** (Scrollbar target) ¶  
# TextAreaPeer **createTextArea** (TextArea target) ¶  
# TextFieldPeer **createTextField** (TextField target) ¶  
# WindowPeer **createWindow** (Window target) ¶  
# void **initializeDesktopProperties** ()  
# Object **lazilyLoadDesktopProperty** (String name)  
# void **loadSystemColors** (int[] systemColors) ¶