| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/Cursor.html) | [**Tree**](http://docs.google.com/package-tree.html) | [**Deprecated**](http://docs.google.com/deprecated-list.html) | [**Index**](http://docs.google.com/index-files/index-1.html) | [**Help**](http://docs.google.com/help-doc.html) | | --- | --- | --- | --- | --- | --- | --- | --- | | | ***Java™ Platform***  ***Standard Ed. 6*** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| [**PREV CLASS**](http://docs.google.com/java/awt/ContainerOrderFocusTraversalPolicy.html)   [**NEXT CLASS**](http://docs.google.com/java/awt/DefaultFocusTraversalPolicy.html) | [**FRAMES**](http://docs.google.com/index.html?java/awt/Cursor.html)    [**NO FRAMES**](http://docs.google.com/Cursor.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#3znysh7) | [CONSTR](#2et92p0) | [METHOD](#tyjcwt) | DETAIL: [FIELD](#1t3h5sf) | [CONSTR](#2bn6wsx) | [METHOD](#1pxezwc) |

## **java.awt**

Class Cursor

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 **java.awt.Cursor**

**All Implemented Interfaces:** [Serializable](http://docs.google.com/java/io/Serializable.html)

public class **Cursor**extends [Object](http://docs.google.com/java/lang/Object.html)implements [Serializable](http://docs.google.com/java/io/Serializable.html)

A class to encapsulate the bitmap representation of the mouse cursor.

**See Also:**[Component.setCursor(java.awt.Cursor)](http://docs.google.com/java/awt/Component.html#setCursor(java.awt.Cursor)), [Serialized Form](http://docs.google.com/serialized-form.html#java.awt.Cursor)

| **Field Summary** | |
| --- | --- |
| static int | [**CROSSHAIR\_CURSOR**](http://docs.google.com/java/awt/Cursor.html#CROSSHAIR_CURSOR)            The crosshair cursor type. |
| static int | [**CUSTOM\_CURSOR**](http://docs.google.com/java/awt/Cursor.html#CUSTOM_CURSOR)            The type associated with all custom cursors. |
| static int | [**DEFAULT\_CURSOR**](http://docs.google.com/java/awt/Cursor.html#DEFAULT_CURSOR)            The default cursor type (gets set if no cursor is defined). |
| static int | [**E\_RESIZE\_CURSOR**](http://docs.google.com/java/awt/Cursor.html#E_RESIZE_CURSOR)            The east-resize cursor type. |
| static int | [**HAND\_CURSOR**](http://docs.google.com/java/awt/Cursor.html#HAND_CURSOR)            The hand cursor type. |
| static int | [**MOVE\_CURSOR**](http://docs.google.com/java/awt/Cursor.html#MOVE_CURSOR)            The move cursor type. |
| static int | [**N\_RESIZE\_CURSOR**](http://docs.google.com/java/awt/Cursor.html#N_RESIZE_CURSOR)            The north-resize cursor type. |
| protected  [String](http://docs.google.com/java/lang/String.html) | [**name**](http://docs.google.com/java/awt/Cursor.html#name)            The user-visible name of the cursor. |
| static int | [**NE\_RESIZE\_CURSOR**](http://docs.google.com/java/awt/Cursor.html#NE_RESIZE_CURSOR)            The north-east-resize cursor type. |
| static int | [**NW\_RESIZE\_CURSOR**](http://docs.google.com/java/awt/Cursor.html#NW_RESIZE_CURSOR)            The north-west-resize cursor type. |
| protected static [Cursor](http://docs.google.com/java/awt/Cursor.html)[] | [**predefined**](http://docs.google.com/java/awt/Cursor.html#predefined) |
| static int | [**S\_RESIZE\_CURSOR**](http://docs.google.com/java/awt/Cursor.html#S_RESIZE_CURSOR)            The south-resize cursor type. |
| static int | [**SE\_RESIZE\_CURSOR**](http://docs.google.com/java/awt/Cursor.html#SE_RESIZE_CURSOR)            The south-east-resize cursor type. |
| static int | [**SW\_RESIZE\_CURSOR**](http://docs.google.com/java/awt/Cursor.html#SW_RESIZE_CURSOR)            The south-west-resize cursor type. |
| static int | [**TEXT\_CURSOR**](http://docs.google.com/java/awt/Cursor.html#TEXT_CURSOR)            The text cursor type. |
| static int | [**W\_RESIZE\_CURSOR**](http://docs.google.com/java/awt/Cursor.html#W_RESIZE_CURSOR)            The west-resize cursor type. |
| static int | [**WAIT\_CURSOR**](http://docs.google.com/java/awt/Cursor.html#WAIT_CURSOR)            The wait cursor type. |

| **Constructor Summary** | |
| --- | --- |
|  | [**Cursor**](http://docs.google.com/java/awt/Cursor.html#Cursor(int))(int type)            Creates a new cursor object with the specified type. |
| protected | [**Cursor**](http://docs.google.com/java/awt/Cursor.html#Cursor(java.lang.String))([String](http://docs.google.com/java/lang/String.html) name)            Creates a new custom cursor object with the specified name. |

| **Method Summary** | |
| --- | --- |
| static [Cursor](http://docs.google.com/java/awt/Cursor.html) | [**getDefaultCursor**](http://docs.google.com/java/awt/Cursor.html#getDefaultCursor())()            Return the system default cursor. |
| [String](http://docs.google.com/java/lang/String.html) | [**getName**](http://docs.google.com/java/awt/Cursor.html#getName())()            Returns the name of this cursor. |
| static [Cursor](http://docs.google.com/java/awt/Cursor.html) | [**getPredefinedCursor**](http://docs.google.com/java/awt/Cursor.html#getPredefinedCursor(int))(int type)            Returns a cursor object with the specified predefined type. |
| static [Cursor](http://docs.google.com/java/awt/Cursor.html) | [**getSystemCustomCursor**](http://docs.google.com/java/awt/Cursor.html#getSystemCustomCursor(java.lang.String))([String](http://docs.google.com/java/lang/String.html) name)            Returns a system-specific custom cursor object matching the specified name. |
| int | [**getType**](http://docs.google.com/java/awt/Cursor.html#getType())()            Returns the type for this cursor. |
| [String](http://docs.google.com/java/lang/String.html) | [**toString**](http://docs.google.com/java/awt/Cursor.html#toString())()            Returns a string representation of this cursor. |

| **Methods inherited from class java.lang.**[**Object**](http://docs.google.com/java/lang/Object.html) |
| --- |
| [clone](http://docs.google.com/java/lang/Object.html#clone()), [equals](http://docs.google.com/java/lang/Object.html#equals(java.lang.Object)), [finalize](http://docs.google.com/java/lang/Object.html#finalize()), [getClass](http://docs.google.com/java/lang/Object.html#getClass()), [hashCode](http://docs.google.com/java/lang/Object.html#hashCode()), [notify](http://docs.google.com/java/lang/Object.html#notify()), [notifyAll](http://docs.google.com/java/lang/Object.html#notifyAll()), [wait](http://docs.google.com/java/lang/Object.html#wait()), [wait](http://docs.google.com/java/lang/Object.html#wait(long)), [wait](http://docs.google.com/java/lang/Object.html#wait(long,%20int)) |

| **Field Detail** |
| --- |

### DEFAULT\_CURSOR

public static final int **DEFAULT\_CURSOR**

The default cursor type (gets set if no cursor is defined).

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.awt.Cursor.DEFAULT_CURSOR)

### CROSSHAIR\_CURSOR

public static final int **CROSSHAIR\_CURSOR**

The crosshair cursor type.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.awt.Cursor.CROSSHAIR_CURSOR)

### TEXT\_CURSOR

public static final int **TEXT\_CURSOR**

The text cursor type.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.awt.Cursor.TEXT_CURSOR)

### WAIT\_CURSOR

public static final int **WAIT\_CURSOR**

The wait cursor type.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.awt.Cursor.WAIT_CURSOR)

### SW\_RESIZE\_CURSOR

public static final int **SW\_RESIZE\_CURSOR**

The south-west-resize cursor type.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.awt.Cursor.SW_RESIZE_CURSOR)

### SE\_RESIZE\_CURSOR

public static final int **SE\_RESIZE\_CURSOR**

The south-east-resize cursor type.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.awt.Cursor.SE_RESIZE_CURSOR)

### NW\_RESIZE\_CURSOR

public static final int **NW\_RESIZE\_CURSOR**

The north-west-resize cursor type.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.awt.Cursor.NW_RESIZE_CURSOR)

### NE\_RESIZE\_CURSOR

public static final int **NE\_RESIZE\_CURSOR**

The north-east-resize cursor type.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.awt.Cursor.NE_RESIZE_CURSOR)

### N\_RESIZE\_CURSOR

public static final int **N\_RESIZE\_CURSOR**

The north-resize cursor type.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.awt.Cursor.N_RESIZE_CURSOR)

### S\_RESIZE\_CURSOR

public static final int **S\_RESIZE\_CURSOR**

The south-resize cursor type.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.awt.Cursor.S_RESIZE_CURSOR)

### W\_RESIZE\_CURSOR

public static final int **W\_RESIZE\_CURSOR**

The west-resize cursor type.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.awt.Cursor.W_RESIZE_CURSOR)

### E\_RESIZE\_CURSOR

public static final int **E\_RESIZE\_CURSOR**

The east-resize cursor type.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.awt.Cursor.E_RESIZE_CURSOR)

### HAND\_CURSOR

public static final int **HAND\_CURSOR**

The hand cursor type.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.awt.Cursor.HAND_CURSOR)

### MOVE\_CURSOR

public static final int **MOVE\_CURSOR**

The move cursor type.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.awt.Cursor.MOVE_CURSOR)

### predefined

protected static [Cursor](http://docs.google.com/java/awt/Cursor.html)[] **predefined**

### CUSTOM\_CURSOR

public static final int **CUSTOM\_CURSOR**

The type associated with all custom cursors.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.awt.Cursor.CUSTOM_CURSOR)

### name

protected [String](http://docs.google.com/java/lang/String.html) **name**

The user-visible name of the cursor.

**See Also:**[getName()](http://docs.google.com/java/awt/Cursor.html#getName())

| **Constructor Detail** |
| --- |

### Cursor

public **Cursor**(int type)

Creates a new cursor object with the specified type.

**Parameters:**type - the type of cursor **Throws:** [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if the specified cursor type is invalid

### Cursor

protected **Cursor**([String](http://docs.google.com/java/lang/String.html) name)

Creates a new custom cursor object with the specified name.

Note: this constructor should only be used by AWT implementations as part of their support for custom cursors. Applications should use Toolkit.createCustomCursor().

**Parameters:**name - the user-visible name of the cursor.**See Also:**[Toolkit.createCustomCursor(java.awt.Image, java.awt.Point, java.lang.String)](http://docs.google.com/java/awt/Toolkit.html#createCustomCursor(java.awt.Image,%20java.awt.Point,%20java.lang.String))

| **Method Detail** |
| --- |

### getPredefinedCursor

public static [Cursor](http://docs.google.com/java/awt/Cursor.html) **getPredefinedCursor**(int type)

Returns a cursor object with the specified predefined type.

**Parameters:**type - the type of predefined cursor **Returns:**the specified predefined cursor **Throws:** [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if the specified cursor type is invalid

### getSystemCustomCursor

public static [Cursor](http://docs.google.com/java/awt/Cursor.html) **getSystemCustomCursor**([String](http://docs.google.com/java/lang/String.html) name)  
 throws [AWTException](http://docs.google.com/java/awt/AWTException.html),  
 [HeadlessException](http://docs.google.com/java/awt/HeadlessException.html)

Returns a system-specific custom cursor object matching the specified name. Cursor names are, for example: "Invalid.16x16"

**Parameters:**name - a string describing the desired system-specific custom cursor **Returns:**the system specific custom cursor named **Throws:** [HeadlessException](http://docs.google.com/java/awt/HeadlessException.html) - if GraphicsEnvironment.isHeadless returns true [AWTException](http://docs.google.com/java/awt/AWTException.html)

### getDefaultCursor

public static [Cursor](http://docs.google.com/java/awt/Cursor.html) **getDefaultCursor**()

Return the system default cursor.

### getType

public int **getType**()

Returns the type for this cursor.

### getName

public [String](http://docs.google.com/java/lang/String.html) **getName**()

Returns the name of this cursor.

**Returns:**a localized description of this cursor.**Since:** 1.2

### toString

public [String](http://docs.google.com/java/lang/String.html) **toString**()

Returns a string representation of this cursor.

**Overrides:**[toString](http://docs.google.com/java/lang/Object.html#toString()) in class [Object](http://docs.google.com/java/lang/Object.html) **Returns:**a string representation of this cursor.**Since:** 1.2

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/Cursor.html) | [**Tree**](http://docs.google.com/package-tree.html) | [**Deprecated**](http://docs.google.com/deprecated-list.html) | [**Index**](http://docs.google.com/index-files/index-1.html) | [**Help**](http://docs.google.com/help-doc.html) | | --- | --- | --- | --- | --- | --- | --- | --- | | | ***Java™ Platform***  ***Standard Ed. 6*** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| [**PREV CLASS**](http://docs.google.com/java/awt/ContainerOrderFocusTraversalPolicy.html)   [**NEXT CLASS**](http://docs.google.com/java/awt/DefaultFocusTraversalPolicy.html) | [**FRAMES**](http://docs.google.com/index.html?java/awt/Cursor.html)    [**NO FRAMES**](http://docs.google.com/Cursor.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
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[Submit a bug or feature](http://bugs.sun.com/services/bugreport/index.jsp)

For further API reference and developer documentation, see [Java SE Developer Documentation](http://docs.google.com/webnotes/devdocs-vs-specs.html). That documentation contains more detailed, developer-targeted descriptions, with conceptual overviews, definitions of terms, workarounds, and working code examples.

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