| | **Class** | [**Tree**](http://docs.google.com/overview-tree.html) | [**Deprecated**](http://docs.google.com/deprecated-list.html) | [**Index**](http://docs.google.com/index-all.html) | [**Help**](http://docs.google.com/help-doc.html) | | --- | --- | --- | --- | --- | | |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| [**PREV CLASS**](http://docs.google.com/BreezyGUI/Console.html)   [**NEXT CLASS**](http://docs.google.com/BreezyGUI/Format.html) | [**FRAMES**](http://docs.google.com/index.html)    [**NO FRAMES**](http://docs.google.com/DoubleField.html) |
| SUMMARY:  INNER | [FIELD](#1fob9te) | [CONSTR](#2et92p0) | [METHOD](#tyjcwt) | DETAIL:  FIELD | [CONSTR](#17dp8vu) | [METHOD](#26in1rg) |

## **BreezyGUI**

Class DoubleField

java.lang.Object  
 |  
 +--java.awt.Component  
 |  
 +--java.awt.TextComponent  
 |  
 +--java.awt.TextField  
 |  
 +--**BreezyGUI.DoubleField**

public class **DoubleField**extends java.awt.TextField

A DoubleField is a component that allows the editing of a double (floating-point number), and allows the user to avoid messy conversions to and from strings.

**See Also:** [Serialized Form](http://docs.google.com/serialized-form.html#BreezyGUI.DoubleField)

| **Fields inherited from class java.awt.TextComponent** |
| --- |
| textListener |

| **Fields inherited from class java.awt.Component** |
| --- |
| BOTTOM\_ALIGNMENT, CENTER\_ALIGNMENT, LEFT\_ALIGNMENT, RIGHT\_ALIGNMENT, TOP\_ALIGNMENT |

| **Constructor Summary** | |
| --- | --- |
| [**DoubleField**](http://docs.google.com/BreezyGUI/DoubleField.html#DoubleField(double))(double num)            Creates a DoubleField containing the specified number. |

| **Method Summary** | |
| --- | --- |
| double | [**getNumber**](http://docs.google.com/BreezyGUI/DoubleField.html#getNumber())()            Returns the number in the DoubleField, or 0 if the data in the field do not represent a valid floating-point number. |
| int | [**getPrecision**](http://docs.google.com/BreezyGUI/DoubleField.html#getPrecision())()            Returns the precision of the number displayed in the DoubleField. |
| boolean | [**isValid**](http://docs.google.com/BreezyGUI/DoubleField.html#isValid())()            Returns true if the data in the DoubleField represent a floating-point number, or false otherwise. |
| void | [**setNumber**](http://docs.google.com/BreezyGUI/DoubleField.html#setNumber(double))(double num)            Sets the number displayed in the DoubleField to the specified value. |
| void | [**setPrecision**](http://docs.google.com/BreezyGUI/DoubleField.html#setPrecision(int))(int prec)            Sets the precision of the number displayed in the DoubleField to the specified value. |

| **Methods inherited from class java.awt.TextField** |
| --- |
| addActionListener, addNotify, echoCharIsSet, getColumns, getEchoChar, getMinimumSize, getMinimumSize, getPreferredSize, getPreferredSize, minimumSize, minimumSize, paramString, preferredSize, preferredSize, processActionEvent, processEvent, removeActionListener, setColumns, setEchoChar, setEchoCharacter, setText |

| **Methods inherited from class java.awt.TextComponent** |
| --- |
| addTextListener, getCaretPosition, getSelectedText, getSelectionEnd, getSelectionStart, getText, isEditable, processTextEvent, removeNotify, removeTextListener, select, selectAll, setCaretPosition, setEditable, setSelectionEnd, setSelectionStart |

| **Methods inherited from class java.awt.Component** |
| --- |
| action, add, addComponentListener, addFocusListener, addInputMethodListener, addKeyListener, addMouseListener, addMouseMotionListener, addPropertyChangeListener, addPropertyChangeListener, bounds, checkImage, checkImage, coalesceEvents, contains, contains, createImage, createImage, deliverEvent, disable, disableEvents, dispatchEvent, doLayout, enable, enable, enableEvents, enableInputMethods, firePropertyChange, getAlignmentX, getAlignmentY, getBackground, getBounds, getBounds, getColorModel, getComponentAt, getComponentAt, getComponentOrientation, getCursor, getDropTarget, getFont, getFontMetrics, getForeground, getGraphics, getHeight, getInputContext, getInputMethodRequests, getLocale, getLocation, getLocation, getLocationOnScreen, getMaximumSize, getName, getParent, getPeer, getSize, getSize, getToolkit, getTreeLock, getWidth, getX, getY, gotFocus, handleEvent, hasFocus, hide, imageUpdate, inside, invalidate, isDisplayable, isDoubleBuffered, isEnabled, isFocusTraversable, isLightweight, isOpaque, isShowing, isVisible, keyDown, keyUp, layout, list, list, list, list, list, locate, location, lostFocus, mouseDown, mouseDrag, mouseEnter, mouseExit, mouseMove, mouseUp, move, nextFocus, paint, paintAll, postEvent, prepareImage, prepareImage, print, printAll, processComponentEvent, processFocusEvent, processInputMethodEvent, processKeyEvent, processMouseEvent, processMouseMotionEvent, remove, removeComponentListener, removeFocusListener, removeInputMethodListener, removeKeyListener, removeMouseListener, removeMouseMotionListener, removePropertyChangeListener, removePropertyChangeListener, repaint, repaint, repaint, repaint, requestFocus, reshape, resize, resize, setBackground, setBounds, setBounds, setComponentOrientation, setCursor, setDropTarget, setEnabled, setFont, setForeground, setLocale, setLocation, setLocation, setName, setSize, setSize, setVisible, show, show, size, toString, transferFocus, update, validate |

| **Methods inherited from class java.lang.Object** |
| --- |
| clone, equals, finalize, getClass, hashCode, notify, notifyAll, wait, wait, wait |

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

### DoubleField

public **DoubleField**(double num)

Creates a DoubleField containing the specified number.

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

### setPrecision

public void **setPrecision**(int prec)

Sets the precision of the number displayed in the DoubleField to the specified value. **Parameters:**prec - the number of figures of precision (>= 0 and <= 10).

### getPrecision

public int **getPrecision**()

Returns the precision of the number displayed in the DoubleField.

### setNumber

public void **setNumber**(double num)

Sets the number displayed in the DoubleField to the specified value.

### isValid

public boolean **isValid**()

Returns true if the data in the DoubleField represent a floating-point number, or false otherwise. **Overrides:**isValid in class java.awt.Component

### getNumber

public double **getNumber**()

Returns the number in the DoubleField, or 0 if the data in the field do not represent a valid floating-point number.

| | **Class** | [**Tree**](http://docs.google.com/overview-tree.html) | [**Deprecated**](http://docs.google.com/deprecated-list.html) | [**Index**](http://docs.google.com/index-all.html) | [**Help**](http://docs.google.com/help-doc.html) | | --- | --- | --- | --- | --- | | |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
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