| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Tree**](http://docs.google.com/package-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   [**NEXT CLASS**](http://docs.google.com/BreezySwing/Format.html) | [**FRAMES**](http://docs.google.com/index.html)    [**NO FRAMES**](http://docs.google.com/DoubleField.html) |
| SUMMARY:  [INNER](#1fob9te) | [FIELD](#1t3h5sf) | [CONSTR](#lnxbz9) | [METHOD](#35nkun2) | DETAIL:  FIELD | [CONSTR](#4i7ojhp) | [METHOD](#1ci93xb) |

## **BreezySwing**

Class DoubleField

java.lang.Object  
 |  
 +--java.awt.Component  
 |  
 +--java.awt.Container  
 |  
 +--javax.swing.JComponent  
 |  
 +--javax.swing.text.JTextComponent  
 |  
 +--javax.swing.JTextField  
 |  
 +--**BreezySwing.DoubleField**

**All Implemented Interfaces:** javax.accessibility.Accessible, java.awt.image.ImageObserver, java.awt.MenuContainer, javax.swing.Scrollable, java.io.Serializable, javax.swing.SwingConstantspublic class **DoubleField**extends javax.swing.JTextField

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#BreezySwing.DoubleField)

| **Inner classes inherited from class javax.swing.JTextField** |
| --- |
| javax.swing.JTextField.AccessibleJTextField |

| **Inner classes inherited from class javax.swing.text.JTextComponent** |
| --- |
| javax.swing.text.JTextComponent.AccessibleJTextComponent, javax.swing.text.JTextComponent.KeyBinding |

| **Inner classes inherited from class javax.swing.JComponent** |
| --- |
| javax.swing.JComponent.AccessibleJComponent |

| **Inner classes inherited from class java.awt.Container** |
| --- |
| java.awt.Container.AccessibleAWTContainer |

| **Inner classes inherited from class java.awt.Component** |
| --- |
| java.awt.Component.AccessibleAWTComponent |

| **Fields inherited from class javax.swing.JTextField** |
| --- |
| notifyAction |

| **Fields inherited from class javax.swing.text.JTextComponent** |
| --- |
| DEFAULT\_KEYMAP, FOCUS\_ACCELERATOR\_KEY |

| **Fields inherited from class javax.swing.JComponent** |
| --- |
| accessibleContext, listenerList, TOOL\_TIP\_TEXT\_KEY, ui, UNDEFINED\_CONDITION, WHEN\_ANCESTOR\_OF\_FOCUSED\_COMPONENT, WHEN\_FOCUSED, WHEN\_IN\_FOCUSED\_WINDOW |

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

| **Fields inherited from interface javax.swing.SwingConstants** |
| --- |
| BOTTOM, CENTER, EAST, HORIZONTAL, LEADING, LEFT, NORTH, NORTH\_EAST, NORTH\_WEST, RIGHT, SOUTH, SOUTH\_EAST, SOUTH\_WEST, TOP, TRAILING, VERTICAL, WEST |

| **Fields inherited from interface java.awt.image.ImageObserver** |
| --- |
| ABORT, ALLBITS, ERROR, FRAMEBITS, HEIGHT, PROPERTIES, SOMEBITS, WIDTH |

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

| **Method Summary** | |
| --- | --- |
| double | [**getNumber**](http://docs.google.com/BreezySwing/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/BreezySwing/DoubleField.html#getPrecision())()            Returns the precision of the number displayed in the DoubleField. |
| boolean | [**isValid**](http://docs.google.com/BreezySwing/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/BreezySwing/DoubleField.html#setNumber(double))(double num)            Sets the number displayed in the DoubleField to the specified value. |
| void | [**setPrecision**](http://docs.google.com/BreezySwing/DoubleField.html#setPrecision(int))(int prec)            Sets the precision of the number displayed in the DoubleField to the specified value. |

| **Methods inherited from class javax.swing.JTextField** |
| --- |
| addActionListener, configurePropertiesFromAction, createActionPropertyChangeListener, createDefaultModel, fireActionPerformed, getAccessibleContext, getAction, getActions, getColumns, getColumnWidth, getHorizontalAlignment, getHorizontalVisibility, getPreferredSize, getScrollOffset, getUIClassID, isValidateRoot, paramString, postActionEvent, removeActionListener, scrollRectToVisible, setAction, setActionCommand, setColumns, setFont, setHorizontalAlignment, setScrollOffset |

| **Methods inherited from class javax.swing.text.JTextComponent** |
| --- |
| addCaretListener, addInputMethodListener, addKeymap, copy, cut, fireCaretUpdate, getCaret, getCaretColor, getCaretPosition, getDisabledTextColor, getDocument, getFocusAccelerator, getHighlighter, getInputMethodRequests, getKeymap, getKeymap, getMargin, getPreferredScrollableViewportSize, getScrollableBlockIncrement, getScrollableTracksViewportHeight, getScrollableTracksViewportWidth, getScrollableUnitIncrement, getSelectedText, getSelectedTextColor, getSelectionColor, getSelectionEnd, getSelectionStart, getText, getText, getUI, isEditable, isFocusTraversable, loadKeymap, modelToView, moveCaretPosition, paste, processInputMethodEvent, read, removeCaretListener, removeKeymap, removeNotify, replaceSelection, select, selectAll, setCaret, setCaretColor, setCaretPosition, setDisabledTextColor, setDocument, setEditable, setFocusAccelerator, setHighlighter, setKeymap, setMargin, setSelectedTextColor, setSelectionColor, setSelectionEnd, setSelectionStart, setText, setUI, updateUI, viewToModel, write |

| **Methods inherited from class javax.swing.JComponent** |
| --- |
| addAncestorListener, addNotify, addPropertyChangeListener, addPropertyChangeListener, addVetoableChangeListener, computeVisibleRect, contains, createToolTip, disable, enable, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, fireVetoableChange, getActionForKeyStroke, getActionMap, getAlignmentX, getAlignmentY, getAutoscrolls, getBorder, getBounds, getClientProperty, getComponentGraphics, getConditionForKeyStroke, getDebugGraphicsOptions, getGraphics, getHeight, getInputMap, getInputMap, getInputVerifier, getInsets, getInsets, getListeners, getLocation, getMaximumSize, getMinimumSize, getNextFocusableComponent, getRegisteredKeyStrokes, getRootPane, getSize, getToolTipLocation, getToolTipText, getToolTipText, getTopLevelAncestor, getVerifyInputWhenFocusTarget, getVisibleRect, getWidth, getX, getY, grabFocus, hasFocus, hide, isDoubleBuffered, isFocusCycleRoot, isLightweightComponent, isManagingFocus, isMaximumSizeSet, isMinimumSizeSet, isOpaque, isOptimizedDrawingEnabled, isPaintingTile, isPreferredSizeSet, isRequestFocusEnabled, paint, paintBorder, paintChildren, paintComponent, paintImmediately, paintImmediately, print, printAll, printBorder, printChildren, printComponent, processComponentKeyEvent, processFocusEvent, processKeyBinding, processKeyEvent, processMouseMotionEvent, putClientProperty, registerKeyboardAction, registerKeyboardAction, removeAncestorListener, removePropertyChangeListener, removePropertyChangeListener, removeVetoableChangeListener, repaint, repaint, requestDefaultFocus, requestFocus, resetKeyboardActions, reshape, revalidate, setActionMap, setAlignmentX, setAlignmentY, setAutoscrolls, setBackground, setBorder, setDebugGraphicsOptions, setDoubleBuffered, setEnabled, setForeground, setInputMap, setInputVerifier, setMaximumSize, setMinimumSize, setNextFocusableComponent, setOpaque, setPreferredSize, setRequestFocusEnabled, setToolTipText, setUI, setVerifyInputWhenFocusTarget, setVisible, unregisterKeyboardAction, update |

| **Methods inherited from class java.awt.Container** |
| --- |
| add, add, add, add, add, addContainerListener, addImpl, countComponents, deliverEvent, doLayout, findComponentAt, findComponentAt, getComponent, getComponentAt, getComponentAt, getComponentCount, getComponents, getLayout, insets, invalidate, isAncestorOf, layout, list, list, locate, minimumSize, paintComponents, preferredSize, printComponents, processContainerEvent, processEvent, remove, remove, removeAll, removeContainerListener, setLayout, validate, validateTree |

| **Methods inherited from class java.awt.Component** |
| --- |
| action, add, addComponentListener, addFocusListener, addHierarchyBoundsListener, addHierarchyListener, addKeyListener, addMouseListener, addMouseMotionListener, bounds, checkImage, checkImage, coalesceEvents, contains, createImage, createImage, disableEvents, dispatchEvent, enable, enableEvents, enableInputMethods, getBackground, getBounds, getColorModel, getComponentOrientation, getCursor, getDropTarget, getFont, getFontMetrics, getForeground, getGraphicsConfiguration, getInputContext, getLocale, getLocation, getLocationOnScreen, getName, getParent, getPeer, getSize, getToolkit, getTreeLock, gotFocus, handleEvent, imageUpdate, inside, isDisplayable, isEnabled, isLightweight, isShowing, isVisible, keyDown, keyUp, list, list, list, location, lostFocus, mouseDown, mouseDrag, mouseEnter, mouseExit, mouseMove, mouseUp, move, nextFocus, paintAll, postEvent, prepareImage, prepareImage, processComponentEvent, processHierarchyBoundsEvent, processHierarchyEvent, processMouseEvent, remove, removeComponentListener, removeFocusListener, removeHierarchyBoundsListener, removeHierarchyListener, removeInputMethodListener, removeKeyListener, removeMouseListener, removeMouseMotionListener, repaint, repaint, repaint, resize, resize, setBounds, setBounds, setComponentOrientation, setCursor, setDropTarget, setLocale, setLocation, setLocation, setName, setSize, setSize, show, show, size, toString, transferFocus |

| **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.

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Tree**](http://docs.google.com/package-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   [**NEXT CLASS**](http://docs.google.com/BreezySwing/Format.html) | [**FRAMES**](http://docs.google.com/index.html)    [**NO FRAMES**](http://docs.google.com/DoubleField.html) |
| SUMMARY:  [INNER](#1fob9te) | [FIELD](#1t3h5sf) | [CONSTR](#lnxbz9) | [METHOD](#35nkun2) | DETAIL:  FIELD | [CONSTR](#4i7ojhp) | [METHOD](#1ci93xb) |