| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/javax/swing/text/Position.Bias.html) | **Use** | [**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   NEXT | [**FRAMES**](http://docs.google.com/index.html?javax/swing/text//class-usePosition.Bias.html)    [**NO FRAMES**](http://docs.google.com/Position.Bias.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

**Uses of Class**

**javax.swing.text.Position.Bias**

| Packages that use [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) | |
| --- | --- |
| [**javax.swing**](#3znysh7) | Provides a set of "lightweight" (all-Java language) components that, to the maximum degree possible, work the same on all platforms. |
| [**javax.swing.plaf**](#2et92p0) | Provides one interface and many abstract classes that Swing uses to provide its pluggable look-and-feel capabilities. |
| [**javax.swing.plaf.basic**](#tyjcwt) | Provides user interface objects built according to the Basic look and feel. |
| [**javax.swing.plaf.multi**](#3dy6vkm) | Provides user interface objects that combine two or more look and feels. |
| [**javax.swing.text**](#1t3h5sf) | Provides classes and interfaces that deal with editable and noneditable text components. |
| [**javax.swing.text.html**](#4d34og8) | Provides the class HTMLEditorKit and supporting classes for creating HTML text editors. |

| Uses of [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) in [javax.swing](http://docs.google.com/javax/swing/package-summary.html) | |
| --- | --- |

| Methods in [javax.swing](http://docs.google.com/javax/swing/package-summary.html) with parameters of type [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) | |
| --- | --- |
| [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) | **JTree.**[**getNextMatch**](http://docs.google.com/javax/swing/JTree.html#getNextMatch(java.lang.String,%20int,%20javax.swing.text.Position.Bias))([String](http://docs.google.com/java/lang/String.html) prefix, int startingRow, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) bias)            Returns the TreePath to the next tree element that begins with a prefix. |
| int | **JList.**[**getNextMatch**](http://docs.google.com/javax/swing/JList.html#getNextMatch(java.lang.String,%20int,%20javax.swing.text.Position.Bias))([String](http://docs.google.com/java/lang/String.html) prefix, int startIndex, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) bias)            Returns the next list element whose toString value starts with the given prefix. |

| Uses of [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) in [javax.swing.plaf](http://docs.google.com/javax/swing/plaf/package-summary.html) | |
| --- | --- |

| Methods in [javax.swing.plaf](http://docs.google.com/javax/swing/plaf/package-summary.html) with parameters of type [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) | |
| --- | --- |
| abstract  void | **TextUI.**[**damageRange**](http://docs.google.com/javax/swing/plaf/TextUI.html#damageRange(javax.swing.text.JTextComponent,%20int,%20int,%20javax.swing.text.Position.Bias,%20javax.swing.text.Position.Bias))([JTextComponent](http://docs.google.com/javax/swing/text/JTextComponent.html) t, int p0, int p1, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) firstBias, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) secondBias)            Causes the portion of the view responsible for the given part of the model to be repainted. |
| abstract  int | **TextUI.**[**getNextVisualPositionFrom**](http://docs.google.com/javax/swing/plaf/TextUI.html#getNextVisualPositionFrom(javax.swing.text.JTextComponent,%20int,%20javax.swing.text.Position.Bias,%20int,%20javax.swing.text.Position.Bias%5B%5D))([JTextComponent](http://docs.google.com/javax/swing/text/JTextComponent.html) t, int pos, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) b, int direction, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html)[] biasRet)            Provides a way to determine the next visually represented model location that one might place a caret. |
| abstract  int | **TextUI.**[**getNextVisualPositionFrom**](http://docs.google.com/javax/swing/plaf/TextUI.html#getNextVisualPositionFrom(javax.swing.text.JTextComponent,%20int,%20javax.swing.text.Position.Bias,%20int,%20javax.swing.text.Position.Bias%5B%5D))([JTextComponent](http://docs.google.com/javax/swing/text/JTextComponent.html) t, int pos, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) b, int direction, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html)[] biasRet)            Provides a way to determine the next visually represented model location that one might place a caret. |
| abstract  [Rectangle](http://docs.google.com/java/awt/Rectangle.html) | **TextUI.**[**modelToView**](http://docs.google.com/javax/swing/plaf/TextUI.html#modelToView(javax.swing.text.JTextComponent,%20int,%20javax.swing.text.Position.Bias))([JTextComponent](http://docs.google.com/javax/swing/text/JTextComponent.html) t, int pos, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) bias)            Converts the given location in the model to a place in the view coordinate system. |
| abstract  int | **TextUI.**[**viewToModel**](http://docs.google.com/javax/swing/plaf/TextUI.html#viewToModel(javax.swing.text.JTextComponent,%20java.awt.Point,%20javax.swing.text.Position.Bias%5B%5D))([JTextComponent](http://docs.google.com/javax/swing/text/JTextComponent.html) t, [Point](http://docs.google.com/java/awt/Point.html) pt, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html)[] biasReturn)            Provides a mapping from the view coordinate space to the logical coordinate space of the model. |

| Uses of [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) in [javax.swing.plaf.basic](http://docs.google.com/javax/swing/plaf/basic/package-summary.html) | |
| --- | --- |

| Methods in [javax.swing.plaf.basic](http://docs.google.com/javax/swing/plaf/basic/package-summary.html) with parameters of type [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) | |
| --- | --- |
| void | **BasicTextUI.**[**damageRange**](http://docs.google.com/javax/swing/plaf/basic/BasicTextUI.html#damageRange(javax.swing.text.JTextComponent,%20int,%20int,%20javax.swing.text.Position.Bias,%20javax.swing.text.Position.Bias))([JTextComponent](http://docs.google.com/javax/swing/text/JTextComponent.html) t, int p0, int p1, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) p0Bias, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) p1Bias)            Causes the portion of the view responsible for the given part of the model to be repainted. |
| int | **BasicTextUI.**[**getNextVisualPositionFrom**](http://docs.google.com/javax/swing/plaf/basic/BasicTextUI.html#getNextVisualPositionFrom(javax.swing.text.JTextComponent,%20int,%20javax.swing.text.Position.Bias,%20int,%20javax.swing.text.Position.Bias%5B%5D))([JTextComponent](http://docs.google.com/javax/swing/text/JTextComponent.html) t, int pos, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) b, int direction, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html)[] biasRet)            Provides a way to determine the next visually represented model location that one might place a caret. |
| int | **BasicTextUI.**[**getNextVisualPositionFrom**](http://docs.google.com/javax/swing/plaf/basic/BasicTextUI.html#getNextVisualPositionFrom(javax.swing.text.JTextComponent,%20int,%20javax.swing.text.Position.Bias,%20int,%20javax.swing.text.Position.Bias%5B%5D))([JTextComponent](http://docs.google.com/javax/swing/text/JTextComponent.html) t, int pos, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) b, int direction, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html)[] biasRet)            Provides a way to determine the next visually represented model location that one might place a caret. |
| [Rectangle](http://docs.google.com/java/awt/Rectangle.html) | **BasicTextUI.**[**modelToView**](http://docs.google.com/javax/swing/plaf/basic/BasicTextUI.html#modelToView(javax.swing.text.JTextComponent,%20int,%20javax.swing.text.Position.Bias))([JTextComponent](http://docs.google.com/javax/swing/text/JTextComponent.html) tc, int pos, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) bias)            Converts the given location in the model to a place in the view coordinate system. |
| int | **BasicTextUI.**[**viewToModel**](http://docs.google.com/javax/swing/plaf/basic/BasicTextUI.html#viewToModel(javax.swing.text.JTextComponent,%20java.awt.Point,%20javax.swing.text.Position.Bias%5B%5D))([JTextComponent](http://docs.google.com/javax/swing/text/JTextComponent.html) tc, [Point](http://docs.google.com/java/awt/Point.html) pt, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html)[] biasReturn)            Converts the given place in the view coordinate system to the nearest representative location in the model. |

| Uses of [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) in [javax.swing.plaf.multi](http://docs.google.com/javax/swing/plaf/multi/package-summary.html) | |
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| Methods in [javax.swing.plaf.multi](http://docs.google.com/javax/swing/plaf/multi/package-summary.html) with parameters of type [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) | |
| --- | --- |
| void | **MultiTextUI.**[**damageRange**](http://docs.google.com/javax/swing/plaf/multi/MultiTextUI.html#damageRange(javax.swing.text.JTextComponent,%20int,%20int,%20javax.swing.text.Position.Bias,%20javax.swing.text.Position.Bias))([JTextComponent](http://docs.google.com/javax/swing/text/JTextComponent.html) a, int b, int c, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) d, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) e)            Invokes the damageRange method on each UI handled by this object. |
| int | **MultiTextUI.**[**getNextVisualPositionFrom**](http://docs.google.com/javax/swing/plaf/multi/MultiTextUI.html#getNextVisualPositionFrom(javax.swing.text.JTextComponent,%20int,%20javax.swing.text.Position.Bias,%20int,%20javax.swing.text.Position.Bias%5B%5D))([JTextComponent](http://docs.google.com/javax/swing/text/JTextComponent.html) a, int b, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) c, int d, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html)[] e)            Invokes the getNextVisualPositionFrom method on each UI handled by this object. |
| int | **MultiTextUI.**[**getNextVisualPositionFrom**](http://docs.google.com/javax/swing/plaf/multi/MultiTextUI.html#getNextVisualPositionFrom(javax.swing.text.JTextComponent,%20int,%20javax.swing.text.Position.Bias,%20int,%20javax.swing.text.Position.Bias%5B%5D))([JTextComponent](http://docs.google.com/javax/swing/text/JTextComponent.html) a, int b, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) c, int d, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html)[] e)            Invokes the getNextVisualPositionFrom method on each UI handled by this object. |
| [Rectangle](http://docs.google.com/java/awt/Rectangle.html) | **MultiTextUI.**[**modelToView**](http://docs.google.com/javax/swing/plaf/multi/MultiTextUI.html#modelToView(javax.swing.text.JTextComponent,%20int,%20javax.swing.text.Position.Bias))([JTextComponent](http://docs.google.com/javax/swing/text/JTextComponent.html) a, int b, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) c)            Invokes the modelToView method on each UI handled by this object. |
| int | **MultiTextUI.**[**viewToModel**](http://docs.google.com/javax/swing/plaf/multi/MultiTextUI.html#viewToModel(javax.swing.text.JTextComponent,%20java.awt.Point,%20javax.swing.text.Position.Bias%5B%5D))([JTextComponent](http://docs.google.com/javax/swing/text/JTextComponent.html) a, [Point](http://docs.google.com/java/awt/Point.html) b, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html)[] c)            Invokes the viewToModel method on each UI handled by this object. |

| Uses of [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) in [javax.swing.text](http://docs.google.com/javax/swing/text/package-summary.html) | |
| --- | --- |

| Fields in [javax.swing.text](http://docs.google.com/javax/swing/text/package-summary.html) declared as [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) | |
| --- | --- |
| static [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) | **Position.Bias.**[**Backward**](http://docs.google.com/javax/swing/text/Position.Bias.html#Backward)            Indicates a bias toward the previous character in the model. |
| static [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) | **Position.Bias.**[**Forward**](http://docs.google.com/javax/swing/text/Position.Bias.html#Forward)            Indicates to bias toward the next character in the model. |

| Methods in [javax.swing.text](http://docs.google.com/javax/swing/text/package-summary.html) that return [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) | |
| --- | --- |
| [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) | **JTextComponent.DropLocation.**[**getBias**](http://docs.google.com/javax/swing/text/JTextComponent.DropLocation.html#getBias())()            Returns the bias for the drop index. |
| [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) | **DefaultCaret.**[**getDotBias**](http://docs.google.com/javax/swing/text/DefaultCaret.html#getDotBias())()            Returns the bias of the caret position. |
| [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) | **DefaultCaret.**[**getMarkBias**](http://docs.google.com/javax/swing/text/DefaultCaret.html#getMarkBias())()            Returns the bias of the mark. |

| Methods in [javax.swing.text](http://docs.google.com/javax/swing/text/package-summary.html) with parameters of type [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) | |
| --- | --- |
| protected  boolean | **BoxView.**[**flipEastAndWestAtEnds**](http://docs.google.com/javax/swing/text/BoxView.html#flipEastAndWestAtEnds(int,%20javax.swing.text.Position.Bias))(int position, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) bias)            Determines in which direction the next view lays. |
| protected  boolean | **ParagraphView.**[**flipEastAndWestAtEnds**](http://docs.google.com/javax/swing/text/ParagraphView.html#flipEastAndWestAtEnds(int,%20javax.swing.text.Position.Bias))(int position, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) bias)            Determines in which direction the next view lays. |
| protected  boolean | **CompositeView.**[**flipEastAndWestAtEnds**](http://docs.google.com/javax/swing/text/CompositeView.html#flipEastAndWestAtEnds(int,%20javax.swing.text.Position.Bias))(int position, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) bias)            Determines in which direction the next view lays. |
| protected  int | **ParagraphView.**[**getClosestPositionTo**](http://docs.google.com/javax/swing/text/ParagraphView.html#getClosestPositionTo(int,%20javax.swing.text.Position.Bias,%20java.awt.Shape,%20int,%20javax.swing.text.Position.Bias%5B%5D,%20int,%20int))(int pos, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) b, [Shape](http://docs.google.com/java/awt/Shape.html) a, int direction, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html)[] biasRet, int rowIndex, int x)            Returns the closest model position to x. |
| protected  int | **ParagraphView.**[**getClosestPositionTo**](http://docs.google.com/javax/swing/text/ParagraphView.html#getClosestPositionTo(int,%20javax.swing.text.Position.Bias,%20java.awt.Shape,%20int,%20javax.swing.text.Position.Bias%5B%5D,%20int,%20int))(int pos, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) b, [Shape](http://docs.google.com/java/awt/Shape.html) a, int direction, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html)[] biasRet, int rowIndex, int x)            Returns the closest model position to x. |
| protected  int | **CompositeView.**[**getNextEastWestVisualPositionFrom**](http://docs.google.com/javax/swing/text/CompositeView.html#getNextEastWestVisualPositionFrom(int,%20javax.swing.text.Position.Bias,%20java.awt.Shape,%20int,%20javax.swing.text.Position.Bias%5B%5D))(int pos, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) b, [Shape](http://docs.google.com/java/awt/Shape.html) a, int direction, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html)[] biasRet)            Returns the next visual position for the cursor, in either the east or west direction. |
| protected  int | **CompositeView.**[**getNextEastWestVisualPositionFrom**](http://docs.google.com/javax/swing/text/CompositeView.html#getNextEastWestVisualPositionFrom(int,%20javax.swing.text.Position.Bias,%20java.awt.Shape,%20int,%20javax.swing.text.Position.Bias%5B%5D))(int pos, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) b, [Shape](http://docs.google.com/java/awt/Shape.html) a, int direction, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html)[] biasRet)            Returns the next visual position for the cursor, in either the east or west direction. |
| protected  int | **ParagraphView.**[**getNextNorthSouthVisualPositionFrom**](http://docs.google.com/javax/swing/text/ParagraphView.html#getNextNorthSouthVisualPositionFrom(int,%20javax.swing.text.Position.Bias,%20java.awt.Shape,%20int,%20javax.swing.text.Position.Bias%5B%5D))(int pos, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) b, [Shape](http://docs.google.com/java/awt/Shape.html) a, int direction, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html)[] biasRet)            Returns the next visual position for the cursor, in either the east or west direction. |
| protected  int | **ParagraphView.**[**getNextNorthSouthVisualPositionFrom**](http://docs.google.com/javax/swing/text/ParagraphView.html#getNextNorthSouthVisualPositionFrom(int,%20javax.swing.text.Position.Bias,%20java.awt.Shape,%20int,%20javax.swing.text.Position.Bias%5B%5D))(int pos, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) b, [Shape](http://docs.google.com/java/awt/Shape.html) a, int direction, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html)[] biasRet)            Returns the next visual position for the cursor, in either the east or west direction. |
| protected  int | **CompositeView.**[**getNextNorthSouthVisualPositionFrom**](http://docs.google.com/javax/swing/text/CompositeView.html#getNextNorthSouthVisualPositionFrom(int,%20javax.swing.text.Position.Bias,%20java.awt.Shape,%20int,%20javax.swing.text.Position.Bias%5B%5D))(int pos, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) b, [Shape](http://docs.google.com/java/awt/Shape.html) a, int direction, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html)[] biasRet)            Returns the next visual position for the cursor, in either the north or south direction. |
| protected  int | **CompositeView.**[**getNextNorthSouthVisualPositionFrom**](http://docs.google.com/javax/swing/text/CompositeView.html#getNextNorthSouthVisualPositionFrom(int,%20javax.swing.text.Position.Bias,%20java.awt.Shape,%20int,%20javax.swing.text.Position.Bias%5B%5D))(int pos, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) b, [Shape](http://docs.google.com/java/awt/Shape.html) a, int direction, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html)[] biasRet)            Returns the next visual position for the cursor, in either the north or south direction. |
| int | **GlyphView.GlyphPainter.**[**getNextVisualPositionFrom**](http://docs.google.com/javax/swing/text/GlyphView.GlyphPainter.html#getNextVisualPositionFrom(javax.swing.text.GlyphView,%20int,%20javax.swing.text.Position.Bias,%20java.awt.Shape,%20int,%20javax.swing.text.Position.Bias%5B%5D))([GlyphView](http://docs.google.com/javax/swing/text/GlyphView.html) v, int pos, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) b, [Shape](http://docs.google.com/java/awt/Shape.html) a, int direction, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html)[] biasRet)            Provides a way to determine the next visually represented model location that one might place a caret. |
| int | **GlyphView.GlyphPainter.**[**getNextVisualPositionFrom**](http://docs.google.com/javax/swing/text/GlyphView.GlyphPainter.html#getNextVisualPositionFrom(javax.swing.text.GlyphView,%20int,%20javax.swing.text.Position.Bias,%20java.awt.Shape,%20int,%20javax.swing.text.Position.Bias%5B%5D))([GlyphView](http://docs.google.com/javax/swing/text/GlyphView.html) v, int pos, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) b, [Shape](http://docs.google.com/java/awt/Shape.html) a, int direction, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html)[] biasRet)            Provides a way to determine the next visually represented model location that one might place a caret. |
| int | **AsyncBoxView.**[**getNextVisualPositionFrom**](http://docs.google.com/javax/swing/text/AsyncBoxView.html#getNextVisualPositionFrom(int,%20javax.swing.text.Position.Bias,%20java.awt.Shape,%20int,%20javax.swing.text.Position.Bias%5B%5D))(int pos, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) b, [Shape](http://docs.google.com/java/awt/Shape.html) a, int direction, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html)[] biasRet)            Provides a way to determine the next visually represented model location that one might place a caret. |
| int | **AsyncBoxView.**[**getNextVisualPositionFrom**](http://docs.google.com/javax/swing/text/AsyncBoxView.html#getNextVisualPositionFrom(int,%20javax.swing.text.Position.Bias,%20java.awt.Shape,%20int,%20javax.swing.text.Position.Bias%5B%5D))(int pos, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) b, [Shape](http://docs.google.com/java/awt/Shape.html) a, int direction, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html)[] biasRet)            Provides a way to determine the next visually represented model location that one might place a caret. |
| int | **GlyphView.**[**getNextVisualPositionFrom**](http://docs.google.com/javax/swing/text/GlyphView.html#getNextVisualPositionFrom(int,%20javax.swing.text.Position.Bias,%20java.awt.Shape,%20int,%20javax.swing.text.Position.Bias%5B%5D))(int pos, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) b, [Shape](http://docs.google.com/java/awt/Shape.html) a, int direction, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html)[] biasRet)            Provides a way to determine the next visually represented model location that one might place a caret. |
| int | **GlyphView.**[**getNextVisualPositionFrom**](http://docs.google.com/javax/swing/text/GlyphView.html#getNextVisualPositionFrom(int,%20javax.swing.text.Position.Bias,%20java.awt.Shape,%20int,%20javax.swing.text.Position.Bias%5B%5D))(int pos, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) b, [Shape](http://docs.google.com/java/awt/Shape.html) a, int direction, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html)[] biasRet)            Provides a way to determine the next visually represented model location that one might place a caret. |
| int | **CompositeView.**[**getNextVisualPositionFrom**](http://docs.google.com/javax/swing/text/CompositeView.html#getNextVisualPositionFrom(int,%20javax.swing.text.Position.Bias,%20java.awt.Shape,%20int,%20javax.swing.text.Position.Bias%5B%5D))(int pos, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) b, [Shape](http://docs.google.com/java/awt/Shape.html) a, int direction, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html)[] biasRet)            Provides a way to determine the next visually represented model location that one might place a caret. |
| int | **CompositeView.**[**getNextVisualPositionFrom**](http://docs.google.com/javax/swing/text/CompositeView.html#getNextVisualPositionFrom(int,%20javax.swing.text.Position.Bias,%20java.awt.Shape,%20int,%20javax.swing.text.Position.Bias%5B%5D))(int pos, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) b, [Shape](http://docs.google.com/java/awt/Shape.html) a, int direction, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html)[] biasRet)            Provides a way to determine the next visually represented model location that one might place a caret. |
| int | **View.**[**getNextVisualPositionFrom**](http://docs.google.com/javax/swing/text/View.html#getNextVisualPositionFrom(int,%20javax.swing.text.Position.Bias,%20java.awt.Shape,%20int,%20javax.swing.text.Position.Bias%5B%5D))(int pos, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) b, [Shape](http://docs.google.com/java/awt/Shape.html) a, int direction, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html)[] biasRet)            Provides a way to determine the next visually represented model location at which one might place a caret. |
| int | **View.**[**getNextVisualPositionFrom**](http://docs.google.com/javax/swing/text/View.html#getNextVisualPositionFrom(int,%20javax.swing.text.Position.Bias,%20java.awt.Shape,%20int,%20javax.swing.text.Position.Bias%5B%5D))(int pos, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) b, [Shape](http://docs.google.com/java/awt/Shape.html) a, int direction, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html)[] biasRet)            Provides a way to determine the next visually represented model location at which one might place a caret. |
| int | **NavigationFilter.**[**getNextVisualPositionFrom**](http://docs.google.com/javax/swing/text/NavigationFilter.html#getNextVisualPositionFrom(javax.swing.text.JTextComponent,%20int,%20javax.swing.text.Position.Bias,%20int,%20javax.swing.text.Position.Bias%5B%5D))([JTextComponent](http://docs.google.com/javax/swing/text/JTextComponent.html) text, int pos, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) bias, int direction, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html)[] biasRet)            Returns the next visual position to place the caret at from an existing position. |
| int | **NavigationFilter.**[**getNextVisualPositionFrom**](http://docs.google.com/javax/swing/text/NavigationFilter.html#getNextVisualPositionFrom(javax.swing.text.JTextComponent,%20int,%20javax.swing.text.Position.Bias,%20int,%20javax.swing.text.Position.Bias%5B%5D))([JTextComponent](http://docs.google.com/javax/swing/text/JTextComponent.html) text, int pos, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) bias, int direction, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html)[] biasRet)            Returns the next visual position to place the caret at from an existing position. |
| int | **AsyncBoxView.**[**getViewIndex**](http://docs.google.com/javax/swing/text/AsyncBoxView.html#getViewIndex(int,%20javax.swing.text.Position.Bias))(int pos, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) b)            Returns the child view index representing the given position in the model. |
| int | **CompositeView.**[**getViewIndex**](http://docs.google.com/javax/swing/text/CompositeView.html#getViewIndex(int,%20javax.swing.text.Position.Bias))(int pos, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) b)            Returns the child view index representing the given position in the model. |
| int | **View.**[**getViewIndex**](http://docs.google.com/javax/swing/text/View.html#getViewIndex(int,%20javax.swing.text.Position.Bias))(int pos, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) b)            Returns the child view index representing the given position in the model. |
| protected  int | **AsyncBoxView.**[**getViewIndexAtPosition**](http://docs.google.com/javax/swing/text/AsyncBoxView.html#getViewIndexAtPosition(int,%20javax.swing.text.Position.Bias))(int pos, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) b)            Fetches the child view index representing the given position in the model. |
| abstract  [Shape](http://docs.google.com/java/awt/Shape.html) | **GlyphView.GlyphPainter.**[**modelToView**](http://docs.google.com/javax/swing/text/GlyphView.GlyphPainter.html#modelToView(javax.swing.text.GlyphView,%20int,%20javax.swing.text.Position.Bias,%20java.awt.Shape))([GlyphView](http://docs.google.com/javax/swing/text/GlyphView.html) v, int pos, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) bias, [Shape](http://docs.google.com/java/awt/Shape.html) a)            Provides a mapping from the document model coordinate space to the coordinate space of the view mapped to it. |
| [Shape](http://docs.google.com/java/awt/Shape.html) | **CompositeView.**[**modelToView**](http://docs.google.com/javax/swing/text/CompositeView.html#modelToView(int,%20javax.swing.text.Position.Bias,%20int,%20javax.swing.text.Position.Bias,%20java.awt.Shape))(int p0, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) b0, int p1, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) b1, [Shape](http://docs.google.com/java/awt/Shape.html) a)            Provides a mapping from the document model coordinate space to the coordinate space of the view mapped to it. |
| [Shape](http://docs.google.com/java/awt/Shape.html) | **View.**[**modelToView**](http://docs.google.com/javax/swing/text/View.html#modelToView(int,%20javax.swing.text.Position.Bias,%20int,%20javax.swing.text.Position.Bias,%20java.awt.Shape))(int p0, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) b0, int p1, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) b1, [Shape](http://docs.google.com/java/awt/Shape.html) a)            Provides a mapping, for a given region, from the document model coordinate space to the view coordinate space. |
| [Shape](http://docs.google.com/java/awt/Shape.html) | **PasswordView.**[**modelToView**](http://docs.google.com/javax/swing/text/PasswordView.html#modelToView(int,%20java.awt.Shape,%20javax.swing.text.Position.Bias))(int pos, [Shape](http://docs.google.com/java/awt/Shape.html) a, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) b)            Provides a mapping from the document model coordinate space to the coordinate space of the view mapped to it. |
| [Shape](http://docs.google.com/java/awt/Shape.html) | **FieldView.**[**modelToView**](http://docs.google.com/javax/swing/text/FieldView.html#modelToView(int,%20java.awt.Shape,%20javax.swing.text.Position.Bias))(int pos, [Shape](http://docs.google.com/java/awt/Shape.html) a, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) b)            Provides a mapping from the document model coordinate space to the coordinate space of the view mapped to it. |
| [Shape](http://docs.google.com/java/awt/Shape.html) | **AsyncBoxView.**[**modelToView**](http://docs.google.com/javax/swing/text/AsyncBoxView.html#modelToView(int,%20java.awt.Shape,%20javax.swing.text.Position.Bias))(int pos, [Shape](http://docs.google.com/java/awt/Shape.html) a, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) b)            Provides a mapping from the document model coordinate space to the coordinate space of the view mapped to it. |
| [Shape](http://docs.google.com/java/awt/Shape.html) | **PlainView.**[**modelToView**](http://docs.google.com/javax/swing/text/PlainView.html#modelToView(int,%20java.awt.Shape,%20javax.swing.text.Position.Bias))(int pos, [Shape](http://docs.google.com/java/awt/Shape.html) a, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) b)            Provides a mapping from the document model coordinate space to the coordinate space of the view mapped to it. |
| [Shape](http://docs.google.com/java/awt/Shape.html) | **IconView.**[**modelToView**](http://docs.google.com/javax/swing/text/IconView.html#modelToView(int,%20java.awt.Shape,%20javax.swing.text.Position.Bias))(int pos, [Shape](http://docs.google.com/java/awt/Shape.html) a, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) b)            Provides a mapping from the document model coordinate space to the coordinate space of the view mapped to it. |
| [Shape](http://docs.google.com/java/awt/Shape.html) | **BoxView.**[**modelToView**](http://docs.google.com/javax/swing/text/BoxView.html#modelToView(int,%20java.awt.Shape,%20javax.swing.text.Position.Bias))(int pos, [Shape](http://docs.google.com/java/awt/Shape.html) a, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) b)            Provides a mapping from the document model coordinate space to the coordinate space of the view mapped to it. |
| [Shape](http://docs.google.com/java/awt/Shape.html) | **ComponentView.**[**modelToView**](http://docs.google.com/javax/swing/text/ComponentView.html#modelToView(int,%20java.awt.Shape,%20javax.swing.text.Position.Bias))(int pos, [Shape](http://docs.google.com/java/awt/Shape.html) a, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) b)            Provides a mapping from the coordinate space of the model to that of the view. |
| [Shape](http://docs.google.com/java/awt/Shape.html) | **GlyphView.**[**modelToView**](http://docs.google.com/javax/swing/text/GlyphView.html#modelToView(int,%20java.awt.Shape,%20javax.swing.text.Position.Bias))(int pos, [Shape](http://docs.google.com/java/awt/Shape.html) a, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) b)            Provides a mapping from the document model coordinate space to the coordinate space of the view mapped to it. |
| [Shape](http://docs.google.com/java/awt/Shape.html) | **CompositeView.**[**modelToView**](http://docs.google.com/javax/swing/text/CompositeView.html#modelToView(int,%20java.awt.Shape,%20javax.swing.text.Position.Bias))(int pos, [Shape](http://docs.google.com/java/awt/Shape.html) a, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) b)            Provides a mapping from the document model coordinate space to the coordinate space of the view mapped to it. |
| abstract  [Shape](http://docs.google.com/java/awt/Shape.html) | **View.**[**modelToView**](http://docs.google.com/javax/swing/text/View.html#modelToView(int,%20java.awt.Shape,%20javax.swing.text.Position.Bias))(int pos, [Shape](http://docs.google.com/java/awt/Shape.html) a, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) b)            Provides a mapping, for a given character, from the document model coordinate space to the view coordinate space. |
| void | **DefaultCaret.**[**moveDot**](http://docs.google.com/javax/swing/text/DefaultCaret.html#moveDot(int,%20javax.swing.text.Position.Bias))(int dot, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) dotBias)            Moves the caret position to the specified position, with the specified bias. |
| abstract  void | **NavigationFilter.FilterBypass.**[**moveDot**](http://docs.google.com/javax/swing/text/NavigationFilter.FilterBypass.html#moveDot(int,%20javax.swing.text.Position.Bias))(int dot, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) bias)            Moves the caret location, bypassing the NavigationFilter. |
| void | **NavigationFilter.**[**moveDot**](http://docs.google.com/javax/swing/text/NavigationFilter.html#moveDot(javax.swing.text.NavigationFilter.FilterBypass,%20int,%20javax.swing.text.Position.Bias))([NavigationFilter.FilterBypass](http://docs.google.com/javax/swing/text/NavigationFilter.FilterBypass.html) fb, int dot, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) bias)            Invoked prior to the Caret moving the dot. |
| void | **DefaultCaret.**[**setDot**](http://docs.google.com/javax/swing/text/DefaultCaret.html#setDot(int,%20javax.swing.text.Position.Bias))(int dot, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) dotBias)            Sets the caret position and mark to the specified position, with the specified bias. |
| abstract  void | **NavigationFilter.FilterBypass.**[**setDot**](http://docs.google.com/javax/swing/text/NavigationFilter.FilterBypass.html#setDot(int,%20javax.swing.text.Position.Bias))(int dot, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) bias)            Sets the caret location, bypassing the NavigationFilter. |
| void | **NavigationFilter.**[**setDot**](http://docs.google.com/javax/swing/text/NavigationFilter.html#setDot(javax.swing.text.NavigationFilter.FilterBypass,%20int,%20javax.swing.text.Position.Bias))([NavigationFilter.FilterBypass](http://docs.google.com/javax/swing/text/NavigationFilter.FilterBypass.html) fb, int dot, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) bias)            Invoked prior to the Caret setting the dot. |
| int | **PasswordView.**[**viewToModel**](http://docs.google.com/javax/swing/text/PasswordView.html#viewToModel(float,%20float,%20java.awt.Shape,%20javax.swing.text.Position.Bias%5B%5D))(float fx, float fy, [Shape](http://docs.google.com/java/awt/Shape.html) a, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html)[] bias)            Provides a mapping from the view coordinate space to the logical coordinate space of the model. |
| int | **FieldView.**[**viewToModel**](http://docs.google.com/javax/swing/text/FieldView.html#viewToModel(float,%20float,%20java.awt.Shape,%20javax.swing.text.Position.Bias%5B%5D))(float fx, float fy, [Shape](http://docs.google.com/java/awt/Shape.html) a, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html)[] bias)            Provides a mapping from the view coordinate space to the logical coordinate space of the model. |
| int | **AsyncBoxView.**[**viewToModel**](http://docs.google.com/javax/swing/text/AsyncBoxView.html#viewToModel(float,%20float,%20java.awt.Shape,%20javax.swing.text.Position.Bias%5B%5D))(float x, float y, [Shape](http://docs.google.com/java/awt/Shape.html) a, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html)[] biasReturn)            Provides a mapping from the view coordinate space to the logical coordinate space of the model. |
| int | **PlainView.**[**viewToModel**](http://docs.google.com/javax/swing/text/PlainView.html#viewToModel(float,%20float,%20java.awt.Shape,%20javax.swing.text.Position.Bias%5B%5D))(float fx, float fy, [Shape](http://docs.google.com/java/awt/Shape.html) a, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html)[] bias)            Provides a mapping from the view coordinate space to the logical coordinate space of the model. |
| int | **IconView.**[**viewToModel**](http://docs.google.com/javax/swing/text/IconView.html#viewToModel(float,%20float,%20java.awt.Shape,%20javax.swing.text.Position.Bias%5B%5D))(float x, float y, [Shape](http://docs.google.com/java/awt/Shape.html) a, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html)[] bias)            Provides a mapping from the view coordinate space to the logical coordinate space of the model. |
| int | **BoxView.**[**viewToModel**](http://docs.google.com/javax/swing/text/BoxView.html#viewToModel(float,%20float,%20java.awt.Shape,%20javax.swing.text.Position.Bias%5B%5D))(float x, float y, [Shape](http://docs.google.com/java/awt/Shape.html) a, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html)[] bias)            Provides a mapping from the view coordinate space to the logical coordinate space of the model. |
| int | **ComponentView.**[**viewToModel**](http://docs.google.com/javax/swing/text/ComponentView.html#viewToModel(float,%20float,%20java.awt.Shape,%20javax.swing.text.Position.Bias%5B%5D))(float x, float y, [Shape](http://docs.google.com/java/awt/Shape.html) a, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html)[] bias)            Provides a mapping from the view coordinate space to the logical coordinate space of the model. |
| int | **GlyphView.**[**viewToModel**](http://docs.google.com/javax/swing/text/GlyphView.html#viewToModel(float,%20float,%20java.awt.Shape,%20javax.swing.text.Position.Bias%5B%5D))(float x, float y, [Shape](http://docs.google.com/java/awt/Shape.html) a, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html)[] biasReturn)            Provides a mapping from the view coordinate space to the logical coordinate space of the model. |
| int | **CompositeView.**[**viewToModel**](http://docs.google.com/javax/swing/text/CompositeView.html#viewToModel(float,%20float,%20java.awt.Shape,%20javax.swing.text.Position.Bias%5B%5D))(float x, float y, [Shape](http://docs.google.com/java/awt/Shape.html) a, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html)[] bias)            Provides a mapping from the view coordinate space to the logical coordinate space of the model. |
| abstract  int | **View.**[**viewToModel**](http://docs.google.com/javax/swing/text/View.html#viewToModel(float,%20float,%20java.awt.Shape,%20javax.swing.text.Position.Bias%5B%5D))(float x, float y, [Shape](http://docs.google.com/java/awt/Shape.html) a, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html)[] biasReturn)            Provides a mapping from the view coordinate space to the logical coordinate space of the model. |
| abstract  int | **GlyphView.GlyphPainter.**[**viewToModel**](http://docs.google.com/javax/swing/text/GlyphView.GlyphPainter.html#viewToModel(javax.swing.text.GlyphView,%20float,%20float,%20java.awt.Shape,%20javax.swing.text.Position.Bias%5B%5D))([GlyphView](http://docs.google.com/javax/swing/text/GlyphView.html) v, float x, float y, [Shape](http://docs.google.com/java/awt/Shape.html) a, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html)[] biasReturn)            Provides a mapping from the view coordinate space to the logical coordinate space of the model. |

| Uses of [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) in [javax.swing.text.html](http://docs.google.com/javax/swing/text/html/package-summary.html) | |
| --- | --- |

| Methods in [javax.swing.text.html](http://docs.google.com/javax/swing/text/html/package-summary.html) with parameters of type [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) | |
| --- | --- |
| [Shape](http://docs.google.com/java/awt/Shape.html) | **ImageView.**[**modelToView**](http://docs.google.com/javax/swing/text/html/ImageView.html#modelToView(int,%20java.awt.Shape,%20javax.swing.text.Position.Bias))(int pos, [Shape](http://docs.google.com/java/awt/Shape.html) a, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) b)            Provides a mapping from the document model coordinate space to the coordinate space of the view mapped to it. |
| int | **ImageView.**[**viewToModel**](http://docs.google.com/javax/swing/text/html/ImageView.html#viewToModel(float,%20float,%20java.awt.Shape,%20javax.swing.text.Position.Bias%5B%5D))(float x, float y, [Shape](http://docs.google.com/java/awt/Shape.html) a, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html)[] bias)            Provides a mapping from the view coordinate space to the logical coordinate space of the model. |

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/javax/swing/text/Position.Bias.html) | **Use** | [**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   NEXT | [**FRAMES**](http://docs.google.com/index.html?javax/swing/text//class-usePosition.Bias.html)    [**NO FRAMES**](http://docs.google.com/Position.Bias.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

[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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