| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/AbstractLayoutCache.NodeDimensions.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/javax/swing/tree/AbstractLayoutCache.html)   [**NEXT CLASS**](http://docs.google.com/javax/swing/tree/DefaultMutableTreeNode.html) | [**FRAMES**](http://docs.google.com/index.html?javax/swing/tree/AbstractLayoutCache.NodeDimensions.html)    [**NO FRAMES**](http://docs.google.com/AbstractLayoutCache.NodeDimensions.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#3dy6vkm) | [METHOD](#4d34og8) |

## **javax.swing.tree**

Class AbstractLayoutCache.NodeDimensions

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 **javax.swing.tree.AbstractLayoutCache.NodeDimensions**

**Direct Known Subclasses:** [BasicTreeUI.NodeDimensionsHandler](http://docs.google.com/javax/swing/plaf/basic/BasicTreeUI.NodeDimensionsHandler.html) **Enclosing class:**[AbstractLayoutCache](http://docs.google.com/javax/swing/tree/AbstractLayoutCache.html)

public abstract static class **AbstractLayoutCache.NodeDimensions**extends [Object](http://docs.google.com/java/lang/Object.html)

Used by AbstractLayoutCache to determine the size and x origin of a particular node.

| **Constructor Summary** | |
| --- | --- |
| [**AbstractLayoutCache.NodeDimensions**](http://docs.google.com/javax/swing/tree/AbstractLayoutCache.NodeDimensions.html#AbstractLayoutCache.NodeDimensions())() |

| **Method Summary** | |
| --- | --- |
| abstract  [Rectangle](http://docs.google.com/java/awt/Rectangle.html) | [**getNodeDimensions**](http://docs.google.com/javax/swing/tree/AbstractLayoutCache.NodeDimensions.html#getNodeDimensions(java.lang.Object,%20int,%20int,%20boolean,%20java.awt.Rectangle))([Object](http://docs.google.com/java/lang/Object.html) value, int row, int depth, boolean expanded, [Rectangle](http://docs.google.com/java/awt/Rectangle.html) bounds)            Returns, by reference in bounds, the size and x origin to place value at. |

| **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()), [toString](http://docs.google.com/java/lang/Object.html#toString()), [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)) |

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

### AbstractLayoutCache.NodeDimensions

public **AbstractLayoutCache.NodeDimensions**()

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

### getNodeDimensions

public abstract [Rectangle](http://docs.google.com/java/awt/Rectangle.html) **getNodeDimensions**([Object](http://docs.google.com/java/lang/Object.html) value,  
 int row,  
 int depth,  
 boolean expanded,  
 [Rectangle](http://docs.google.com/java/awt/Rectangle.html) bounds)

Returns, by reference in bounds, the size and x origin to place value at. The calling method is responsible for determining the Y location. If bounds is null, a newly created Rectangle should be returned, otherwise the value should be placed in bounds and returned.

**Parameters:**value - the value to be representedrow - row being querieddepth - the depth of the rowexpanded - true if row is expanded, false otherwisebounds - a Rectangle containing the size needed to represent value **Returns:**a Rectangle containing the node dimensions, or null if node has no dimension

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/AbstractLayoutCache.NodeDimensions.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/javax/swing/tree/AbstractLayoutCache.html)   [**NEXT CLASS**](http://docs.google.com/javax/swing/tree/DefaultMutableTreeNode.html) | [**FRAMES**](http://docs.google.com/index.html?javax/swing/tree/AbstractLayoutCache.NodeDimensions.html)    [**NO FRAMES**](http://docs.google.com/AbstractLayoutCache.NodeDimensions.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#3dy6vkm) | [METHOD](#4d34og8) |

[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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