| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/TransformAttribute.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/font/TextMeasurer.html)   NEXT CLASS | [**FRAMES**](http://docs.google.com/index.html?java/awt/font/TransformAttribute.html)    [**NO FRAMES**](http://docs.google.com/TransformAttribute.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#3znysh7) | [CONSTR](#2et92p0) | [METHOD](#tyjcwt) | DETAIL: [FIELD](#1t3h5sf) | [CONSTR](#2s8eyo1) | [METHOD](#3rdcrjn) |

## **java.awt.font**

Class TransformAttribute

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

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

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

The TransformAttribute class provides an immutable wrapper for a transform so that it is safe to use as an attribute.

**See Also:**[Serialized Form](http://docs.google.com/serialized-form.html#java.awt.font.TransformAttribute)

| **Field Summary** | |
| --- | --- |
| static [TransformAttribute](http://docs.google.com/java/awt/font/TransformAttribute.html) | [**IDENTITY**](http://docs.google.com/java/awt/font/TransformAttribute.html#IDENTITY)            A TransformAttribute representing the identity transform. |

| **Constructor Summary** | |
| --- | --- |
| [**TransformAttribute**](http://docs.google.com/java/awt/font/TransformAttribute.html#TransformAttribute(java.awt.geom.AffineTransform))([AffineTransform](http://docs.google.com/java/awt/geom/AffineTransform.html) transform)            Wraps the specified transform. |

| **Method Summary** | |
| --- | --- |
| boolean | [**equals**](http://docs.google.com/java/awt/font/TransformAttribute.html#equals(java.lang.Object))([Object](http://docs.google.com/java/lang/Object.html) rhs)            Returns true if rhs is a TransformAttribute whose transform is equal to this TransformAttribute's transform. |
| [AffineTransform](http://docs.google.com/java/awt/geom/AffineTransform.html) | [**getTransform**](http://docs.google.com/java/awt/font/TransformAttribute.html#getTransform())()            Returns a copy of the wrapped transform. |
| int | [**hashCode**](http://docs.google.com/java/awt/font/TransformAttribute.html#hashCode())()            Returns a hash code value for the object. |
| boolean | [**isIdentity**](http://docs.google.com/java/awt/font/TransformAttribute.html#isIdentity())()            Returns true if the wrapped transform is an identity transform. |

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

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

### IDENTITY

public static final [TransformAttribute](http://docs.google.com/java/awt/font/TransformAttribute.html) **IDENTITY**

A TransformAttribute representing the identity transform.

**Since:** 1.6

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

### TransformAttribute

public **TransformAttribute**([AffineTransform](http://docs.google.com/java/awt/geom/AffineTransform.html) transform)

Wraps the specified transform. The transform is cloned and a reference to the clone is kept. The original transform is unchanged. If null is passed as the argument, this constructor behaves as though it were the identity transform. (Note that it is preferable to use [IDENTITY](http://docs.google.com/java/awt/font/TransformAttribute.html#IDENTITY) in this case.)

**Parameters:**transform - the specified [AffineTransform](http://docs.google.com/java/awt/geom/AffineTransform.html) to be wrapped, or null.

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

### getTransform

public [AffineTransform](http://docs.google.com/java/awt/geom/AffineTransform.html) **getTransform**()

Returns a copy of the wrapped transform.

**Returns:**a AffineTransform that is a copy of the wrapped transform of this TransformAttribute.

### isIdentity

public boolean **isIdentity**()

Returns true if the wrapped transform is an identity transform.

**Returns:**true if the wrapped transform is an identity transform; false otherwise.**Since:** 1.4

### hashCode

public int **hashCode**()

**Description copied from class:** [**Object**](http://docs.google.com/java/lang/Object.html#hashCode()) Returns a hash code value for the object. This method is supported for the benefit of hashtables such as those provided by java.util.Hashtable.

The general contract of hashCode is:

* Whenever it is invoked on the same object more than once during an execution of a Java application, the hashCode method must consistently return the same integer, provided no information used in equals comparisons on the object is modified. This integer need not remain consistent from one execution of an application to another execution of the same application.
* If two objects are equal according to the equals(Object) method, then calling the hashCode method on each of the two objects must produce the same integer result.
* It is *not* required that if two objects are unequal according to the [Object.equals(java.lang.Object)](http://docs.google.com/java/lang/Object.html#equals(java.lang.Object)) method, then calling the hashCode method on each of the two objects must produce distinct integer results. However, the programmer should be aware that producing distinct integer results for unequal objects may improve the performance of hashtables.

As much as is reasonably practical, the hashCode method defined by class Object does return distinct integers for distinct objects. (This is typically implemented by converting the internal address of the object into an integer, but this implementation technique is not required by the JavaTM programming language.)

**Overrides:**[hashCode](http://docs.google.com/java/lang/Object.html#hashCode()) in class [Object](http://docs.google.com/java/lang/Object.html) **Returns:**a hash code value for this object.**Since:** 1.6 **See Also:**[Object.equals(java.lang.Object)](http://docs.google.com/java/lang/Object.html#equals(java.lang.Object)), [Hashtable](http://docs.google.com/java/util/Hashtable.html)

### equals

public boolean **equals**([Object](http://docs.google.com/java/lang/Object.html) rhs)

Returns true if rhs is a TransformAttribute whose transform is equal to this TransformAttribute's transform.

**Overrides:**[equals](http://docs.google.com/java/lang/Object.html#equals(java.lang.Object)) in class [Object](http://docs.google.com/java/lang/Object.html) **Parameters:**rhs - the object to compare to **Returns:**true if the argument is a TransformAttribute whose transform is equal to this TransformAttribute's transform.**Since:** 1.6 **See Also:**[Object.hashCode()](http://docs.google.com/java/lang/Object.html#hashCode()), [Hashtable](http://docs.google.com/java/util/Hashtable.html)

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/TransformAttribute.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*** |
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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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