| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/javax/lang/model/element/AnnotationMirror.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*** |
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| PREV   NEXT | [**FRAMES**](http://docs.google.com/index.html?javax/lang/model/element//class-useAnnotationMirror.html)    [**NO FRAMES**](http://docs.google.com/AnnotationMirror.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

**Uses of Interface**

**javax.lang.model.element.AnnotationMirror**

| Packages that use [AnnotationMirror](http://docs.google.com/javax/lang/model/element/AnnotationMirror.html) | |
| --- | --- |
| [**javax.annotation.processing**](#3znysh7) | Facilities for declaring annotation processors and for allowing annotation processors to communicate with an annotation processing tool environment. |
| [**javax.lang.model.element**](#2et92p0) | Interfaces used to model elements of the Java programming language. |
| [**javax.lang.model.util**](#tyjcwt) | Utilities to assist in the processing of [program elements](http://docs.google.com/javax/lang/model/element/package-summary.html) and [types](http://docs.google.com/javax/lang/model/type/package-summary.html). |

| Uses of [AnnotationMirror](http://docs.google.com/javax/lang/model/element/AnnotationMirror.html) in [javax.annotation.processing](http://docs.google.com/javax/annotation/processing/package-summary.html) | |
| --- | --- |

| Methods in [javax.annotation.processing](http://docs.google.com/javax/annotation/processing/package-summary.html) with parameters of type [AnnotationMirror](http://docs.google.com/javax/lang/model/element/AnnotationMirror.html) | |
| --- | --- |
| [Iterable](http://docs.google.com/java/lang/Iterable.html)<? extends [Completion](http://docs.google.com/javax/annotation/processing/Completion.html)> | **AbstractProcessor.**[**getCompletions**](http://docs.google.com/javax/annotation/processing/AbstractProcessor.html#getCompletions(javax.lang.model.element.Element,%20javax.lang.model.element.AnnotationMirror,%20javax.lang.model.element.ExecutableElement,%20java.lang.String))([Element](http://docs.google.com/javax/lang/model/element/Element.html) element, [AnnotationMirror](http://docs.google.com/javax/lang/model/element/AnnotationMirror.html) annotation, [ExecutableElement](http://docs.google.com/javax/lang/model/element/ExecutableElement.html) member, [String](http://docs.google.com/java/lang/String.html) userText)            Returns an empty iterable of completions. |
| [Iterable](http://docs.google.com/java/lang/Iterable.html)<? extends [Completion](http://docs.google.com/javax/annotation/processing/Completion.html)> | **Processor.**[**getCompletions**](http://docs.google.com/javax/annotation/processing/Processor.html#getCompletions(javax.lang.model.element.Element,%20javax.lang.model.element.AnnotationMirror,%20javax.lang.model.element.ExecutableElement,%20java.lang.String))([Element](http://docs.google.com/javax/lang/model/element/Element.html) element, [AnnotationMirror](http://docs.google.com/javax/lang/model/element/AnnotationMirror.html) annotation, [ExecutableElement](http://docs.google.com/javax/lang/model/element/ExecutableElement.html) member, [String](http://docs.google.com/java/lang/String.html) userText)            Returns to the tool infrastructure an iterable of suggested completions to an annotation. |
| void | **Messager.**[**printMessage**](http://docs.google.com/javax/annotation/processing/Messager.html#printMessage(javax.tools.Diagnostic.Kind,%20java.lang.CharSequence,%20javax.lang.model.element.Element,%20javax.lang.model.element.AnnotationMirror))([Diagnostic.Kind](http://docs.google.com/javax/tools/Diagnostic.Kind.html) kind, [CharSequence](http://docs.google.com/java/lang/CharSequence.html) msg, [Element](http://docs.google.com/javax/lang/model/element/Element.html) e, [AnnotationMirror](http://docs.google.com/javax/lang/model/element/AnnotationMirror.html) a)            Prints a message of the specified kind at the location of the annotation mirror of the annotated element. |
| void | **Messager.**[**printMessage**](http://docs.google.com/javax/annotation/processing/Messager.html#printMessage(javax.tools.Diagnostic.Kind,%20java.lang.CharSequence,%20javax.lang.model.element.Element,%20javax.lang.model.element.AnnotationMirror,%20javax.lang.model.element.AnnotationValue))([Diagnostic.Kind](http://docs.google.com/javax/tools/Diagnostic.Kind.html) kind, [CharSequence](http://docs.google.com/java/lang/CharSequence.html) msg, [Element](http://docs.google.com/javax/lang/model/element/Element.html) e, [AnnotationMirror](http://docs.google.com/javax/lang/model/element/AnnotationMirror.html) a, [AnnotationValue](http://docs.google.com/javax/lang/model/element/AnnotationValue.html) v)            Prints a message of the specified kind at the location of the annotation value inside the annotation mirror of the annotated element. |

| Uses of [AnnotationMirror](http://docs.google.com/javax/lang/model/element/AnnotationMirror.html) in [javax.lang.model.element](http://docs.google.com/javax/lang/model/element/package-summary.html) | |
| --- | --- |

| Methods in [javax.lang.model.element](http://docs.google.com/javax/lang/model/element/package-summary.html) that return types with arguments of type [AnnotationMirror](http://docs.google.com/javax/lang/model/element/AnnotationMirror.html) | |
| --- | --- |
| [List](http://docs.google.com/java/util/List.html)<? extends [AnnotationMirror](http://docs.google.com/javax/lang/model/element/AnnotationMirror.html)> | **Element.**[**getAnnotationMirrors**](http://docs.google.com/javax/lang/model/element/Element.html#getAnnotationMirrors())()            Returns the annotations that are directly present on this element. |

| Methods in [javax.lang.model.element](http://docs.google.com/javax/lang/model/element/package-summary.html) with parameters of type [AnnotationMirror](http://docs.google.com/javax/lang/model/element/AnnotationMirror.html) | |
| --- | --- |
| [R](http://docs.google.com/javax/lang/model/element/AnnotationValueVisitor.html) | **AnnotationValueVisitor.**[**visitAnnotation**](http://docs.google.com/javax/lang/model/element/AnnotationValueVisitor.html#visitAnnotation(javax.lang.model.element.AnnotationMirror,%20P))([AnnotationMirror](http://docs.google.com/javax/lang/model/element/AnnotationMirror.html) a, [P](http://docs.google.com/javax/lang/model/element/AnnotationValueVisitor.html) p)            Visits an annotation value in an annotation. |

| Uses of [AnnotationMirror](http://docs.google.com/javax/lang/model/element/AnnotationMirror.html) in [javax.lang.model.util](http://docs.google.com/javax/lang/model/util/package-summary.html) | |
| --- | --- |

| Methods in [javax.lang.model.util](http://docs.google.com/javax/lang/model/util/package-summary.html) that return types with arguments of type [AnnotationMirror](http://docs.google.com/javax/lang/model/element/AnnotationMirror.html) | |
| --- | --- |
| [List](http://docs.google.com/java/util/List.html)<? extends [AnnotationMirror](http://docs.google.com/javax/lang/model/element/AnnotationMirror.html)> | **Elements.**[**getAllAnnotationMirrors**](http://docs.google.com/javax/lang/model/util/Elements.html#getAllAnnotationMirrors(javax.lang.model.element.Element))([Element](http://docs.google.com/javax/lang/model/element/Element.html) e)            Returns all annotations of an element, whether inherited or directly present. |

| Methods in [javax.lang.model.util](http://docs.google.com/javax/lang/model/util/package-summary.html) with parameters of type [AnnotationMirror](http://docs.google.com/javax/lang/model/element/AnnotationMirror.html) | |
| --- | --- |
| [Map](http://docs.google.com/java/util/Map.html)<? extends [ExecutableElement](http://docs.google.com/javax/lang/model/element/ExecutableElement.html),? extends [AnnotationValue](http://docs.google.com/javax/lang/model/element/AnnotationValue.html)> | **Elements.**[**getElementValuesWithDefaults**](http://docs.google.com/javax/lang/model/util/Elements.html#getElementValuesWithDefaults(javax.lang.model.element.AnnotationMirror))([AnnotationMirror](http://docs.google.com/javax/lang/model/element/AnnotationMirror.html) a)            Returns the values of an annotation's elements, including defaults. |
| [R](http://docs.google.com/javax/lang/model/util/SimpleAnnotationValueVisitor6.html) | **SimpleAnnotationValueVisitor6.**[**visitAnnotation**](http://docs.google.com/javax/lang/model/util/SimpleAnnotationValueVisitor6.html#visitAnnotation(javax.lang.model.element.AnnotationMirror,%20P))([AnnotationMirror](http://docs.google.com/javax/lang/model/element/AnnotationMirror.html) a, [P](http://docs.google.com/javax/lang/model/util/SimpleAnnotationValueVisitor6.html) p)            Visits an annotation value in an annotation. |

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/javax/lang/model/element/AnnotationMirror.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/lang/model/element//class-useAnnotationMirror.html)    [**NO FRAMES**](http://docs.google.com/AnnotationMirror.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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