| | [**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**](http://docs.google.com/MidiPlayer.html)   [**NEXT CLASS**](http://docs.google.com/MovieCapturePanel.html) | [**FRAMES**](http://docs.google.com/index.html?ModelDisplay.html)    [**NO FRAMES**](http://docs.google.com/ModelDisplay.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | CONSTR | [METHOD](#3znysh7) | DETAIL: FIELD | CONSTR | [METHOD](#2et92p0) |

## Interface ModelDisplay

**All Known Implementing Classes:** [World](http://docs.google.com/World.html)

public interface **ModelDisplay**

Interface to used to communicate between a model and its display Copyright Georgia Institute of Technology 2004

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| **Method Summary** | |
| --- | --- |
| void | [**addModel**](http://docs.google.com/ModelDisplay.html#addModel(java.lang.Object))([Object](http://java.sun.com/javase/6/docs/api/java/lang/Object.html?is-external=true) model)            method to add the model to the world |
| void | [**clearBackground**](http://docs.google.com/ModelDisplay.html#clearBackground())()            Method to clear the background |
| [Graphics](http://java.sun.com/javase/6/docs/api/java/awt/Graphics.html?is-external=true) | [**getGraphics**](http://docs.google.com/ModelDisplay.html#getGraphics())()            Method that returns the graphics context for this model display |
| int | [**getHeight**](http://docs.google.com/ModelDisplay.html#getHeight())()            Method to get the height of the display |
| int | [**getWidth**](http://docs.google.com/ModelDisplay.html#getWidth())()            Method to get the width of the display |
| void | [**modelChanged**](http://docs.google.com/ModelDisplay.html#modelChanged())()            method to notify the thing that displays that the model has changed |
| void | [**remove**](http://docs.google.com/ModelDisplay.html#remove(java.lang.Object))([Object](http://java.sun.com/javase/6/docs/api/java/lang/Object.html?is-external=true) model)            Method to remove the model from the world |

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

### modelChanged

void **modelChanged**()

method to notify the thing that displays that the model has changed

### addModel

void **addModel**([Object](http://java.sun.com/javase/6/docs/api/java/lang/Object.html?is-external=true) model)

method to add the model to the world

**Parameters:**model - the model object to add

### remove

void **remove**([Object](http://java.sun.com/javase/6/docs/api/java/lang/Object.html?is-external=true) model)

Method to remove the model from the world

**Parameters:**model - the model object to remove

### getGraphics

[Graphics](http://java.sun.com/javase/6/docs/api/java/awt/Graphics.html?is-external=true) **getGraphics**()

Method that returns the graphics context for this model display

**Returns:**the graphics context

### clearBackground

void **clearBackground**()

Method to clear the background

### getWidth

int **getWidth**()

Method to get the width of the display

**Returns:**the width in pixels of the display

### getHeight

int **getHeight**()

Method to get the height of the display

**Returns:**the height in pixels of the display

| | [**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**](http://docs.google.com/MidiPlayer.html)   [**NEXT CLASS**](http://docs.google.com/MovieCapturePanel.html) | [**FRAMES**](http://docs.google.com/index.html?ModelDisplay.html)    [**NO FRAMES**](http://docs.google.com/ModelDisplay.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | CONSTR | [METHOD](#3znysh7) | DETAIL: FIELD | CONSTR | [METHOD](#2et92p0) |