| | [**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/MovieMaker.html)   [**NEXT CLASS**](http://docs.google.com/MovieWriter.html) | [**FRAMES**](http://docs.google.com/index.html?MoviePlayer.html)    [**NO FRAMES**](http://docs.google.com/MoviePlayer.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#3dy6vkm) | [METHOD](#17dp8vu) |

## Class MoviePlayer

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

public class **MoviePlayer**extends [Object](http://java.sun.com/javase/6/docs/api/java/lang/Object.html?is-external=true)

Class that can play movies from multiple frames Copyright Georgia Institute of Technology 2007

**Author:** Barb Ericson ericson@cc.gatech.edu

| **Constructor Summary** | |
| --- | --- |
| [**MoviePlayer**](http://docs.google.com/MoviePlayer.html#MoviePlayer())()            Constructor to create a movie player by asking the user to pick the directory that contains the JPEG frames |
| [**MoviePlayer**](http://docs.google.com/MoviePlayer.html#MoviePlayer(java.util.List))([List](http://java.sun.com/javase/6/docs/api/java/util/List.html?is-external=true)<[Picture](http://docs.google.com/Picture.html)> pictureList)            Constructor that takes a list of pictures |
| [**MoviePlayer**](http://docs.google.com/MoviePlayer.html#MoviePlayer(java.lang.String))([String](http://java.sun.com/javase/6/docs/api/java/lang/String.html?is-external=true) directory)            Constructor that takes a directory and shows a movie from it |

| **Method Summary** | |
| --- | --- |
| void | [**addPicture**](http://docs.google.com/MoviePlayer.html#addPicture(Picture))([Picture](http://docs.google.com/Picture.html) picture)            Method to add a picture to the movie |
| void | [**delAllAfter**](http://docs.google.com/MoviePlayer.html#delAllAfter())()            Method to delete all the frames after the current one |
| void | [**delAllBefore**](http://docs.google.com/MoviePlayer.html#delAllBefore())()            Method to delete all the frames before the current one |
| static void | [**main**](http://docs.google.com/MoviePlayer.html#main(java.lang.String%5B%5D))([String](http://java.sun.com/javase/6/docs/api/java/lang/String.html?is-external=true)[] args) |
| void | [**playMovie**](http://docs.google.com/MoviePlayer.html#playMovie())()            Method to play the movie from the beginning |
| void | [**playMovie**](http://docs.google.com/MoviePlayer.html#playMovie(int))(int framesPerSecond)            Method to play the movie from the beginning |
| void | [**setFrameRate**](http://docs.google.com/MoviePlayer.html#setFrameRate(int))(int rate) |
| void | [**setVisible**](http://docs.google.com/MoviePlayer.html#setVisible(boolean))(boolean flag)            Method to set the visibility of the frame |
| void | [**showNext**](http://docs.google.com/MoviePlayer.html#showNext())()            Method to show the next image |
| void | [**showPrevious**](http://docs.google.com/MoviePlayer.html#showPrevious())()            Method to show the previous image |
| void | [**writeAVI**](http://docs.google.com/MoviePlayer.html#writeAVI())()            Method to write out the movie frames as a Quicktime movie |
| void | [**writeQuicktime**](http://docs.google.com/MoviePlayer.html#writeQuicktime())()            Method to write out the movie frames as a Quicktime movie |

| **Methods inherited from class java.lang.**[**Object**](http://java.sun.com/javase/6/docs/api/java/lang/Object.html?is-external=true) |
| --- |
| [clone](http://java.sun.com/javase/6/docs/api/java/lang/Object.html?is-external=true#clone()), [equals](http://java.sun.com/javase/6/docs/api/java/lang/Object.html?is-external=true#equals(java.lang.Object)), [finalize](http://java.sun.com/javase/6/docs/api/java/lang/Object.html?is-external=true#finalize()), [getClass](http://java.sun.com/javase/6/docs/api/java/lang/Object.html?is-external=true#getClass()), [hashCode](http://java.sun.com/javase/6/docs/api/java/lang/Object.html?is-external=true#hashCode()), [notify](http://java.sun.com/javase/6/docs/api/java/lang/Object.html?is-external=true#notify()), [notifyAll](http://java.sun.com/javase/6/docs/api/java/lang/Object.html?is-external=true#notifyAll()), [toString](http://java.sun.com/javase/6/docs/api/java/lang/Object.html?is-external=true#toString()), [wait](http://java.sun.com/javase/6/docs/api/java/lang/Object.html?is-external=true#wait()), [wait](http://java.sun.com/javase/6/docs/api/java/lang/Object.html?is-external=true#wait(long)), [wait](http://java.sun.com/javase/6/docs/api/java/lang/Object.html?is-external=true#wait(long,%20int)) |

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

### MoviePlayer

public **MoviePlayer**([List](http://java.sun.com/javase/6/docs/api/java/util/List.html?is-external=true)<[Picture](http://docs.google.com/Picture.html)> pictureList)

Constructor that takes a list of pictures

**Parameters:**pictureList - the list of pictures to show

### MoviePlayer

public **MoviePlayer**([String](http://java.sun.com/javase/6/docs/api/java/lang/String.html?is-external=true) directory)

Constructor that takes a directory and shows a movie from it

**Parameters:**directory - the directory with the frames

### MoviePlayer

public **MoviePlayer**()

Constructor to create a movie player by asking the user to pick the directory that contains the JPEG frames

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

### showNext

public void **showNext**()

Method to show the next image

### showPrevious

public void **showPrevious**()

Method to show the previous image

### playMovie

public void **playMovie**()

Method to play the movie from the beginning

### playMovie

public void **playMovie**(int framesPerSecond)

Method to play the movie from the beginning

**Parameters:**framesPerSecond - the number of frames to show per second

### setFrameRate

public void **setFrameRate**(int rate)

### delAllBefore

public void **delAllBefore**()

Method to delete all the frames before the current one

### delAllAfter

public void **delAllAfter**()

Method to delete all the frames after the current one

### writeQuicktime

public void **writeQuicktime**()

Method to write out the movie frames as a Quicktime movie

### writeAVI

public void **writeAVI**()

Method to write out the movie frames as a Quicktime movie

### addPicture

public void **addPicture**([Picture](http://docs.google.com/Picture.html) picture)

Method to add a picture to the movie

**Parameters:**picture - the picture to add

### setVisible

public void **setVisible**(boolean flag)

Method to set the visibility of the frame

**Parameters:**flag - the visibility of the frame

### main

public static void **main**([String](http://java.sun.com/javase/6/docs/api/java/lang/String.html?is-external=true)[] args)

| | [**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/MovieMaker.html)   [**NEXT CLASS**](http://docs.google.com/MovieWriter.html) | [**FRAMES**](http://docs.google.com/index.html?MoviePlayer.html)    [**NO FRAMES**](http://docs.google.com/MoviePlayer.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
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