| | [**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/FileChooser.html)   [**NEXT CLASS**](http://docs.google.com/Geometry.html) | [**FRAMES**](http://docs.google.com/index.html?FrameSequencer.html)    [**NO FRAMES**](http://docs.google.com/FrameSequencer.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#3dy6vkm) | [METHOD](#2s8eyo1) |

## Class FrameSequencer

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

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

Class used to save frames in a movie to a directory and show frames from a movie. This class tracks the directory, base file name, current frame number, and whether this sequence is being shown. Copyright Georgia Institute of Technology 2005

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| **Constructor Summary** | |
| --- | --- |
| [**FrameSequencer**](http://docs.google.com/FrameSequencer.html#FrameSequencer(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 name |
| [**FrameSequencer**](http://docs.google.com/FrameSequencer.html#FrameSequencer(java.lang.String,%20java.lang.String))([String](http://java.sun.com/javase/6/docs/api/java/lang/String.html?is-external=true) directory, [String](http://java.sun.com/javase/6/docs/api/java/lang/String.html?is-external=true) baseName)            Constructor that takes a directory name and a base file name |

| **Method Summary** | |
| --- | --- |
| void | [**addFrame**](http://docs.google.com/FrameSequencer.html#addFrame(Picture))([Picture](http://docs.google.com/Picture.html) picture)            Method to add a picture to the frame sequence |
| void | [**deleteLastFrame**](http://docs.google.com/FrameSequencer.html#deleteLastFrame())()            Method to delete the last frame |
| [String](http://java.sun.com/javase/6/docs/api/java/lang/String.html?is-external=true) | [**getBaseName**](http://docs.google.com/FrameSequencer.html#getBaseName())()            Method to get the base name |
| [String](http://java.sun.com/javase/6/docs/api/java/lang/String.html?is-external=true) | [**getDirectory**](http://docs.google.com/FrameSequencer.html#getDirectory())()            Method to get the directory to write the frames to |
| int | [**getFrameNumber**](http://docs.google.com/FrameSequencer.html#getFrameNumber())()            Method to get the frame number |
| [MoviePlayer](http://docs.google.com/MoviePlayer.html) | [**getMoviePlayer**](http://docs.google.com/FrameSequencer.html#getMoviePlayer())()            Method to get the movie player to use to show this sequence |
| int | [**getNumFrames**](http://docs.google.com/FrameSequencer.html#getNumFrames())()            Method to get the number of frames in this sequence |
| boolean | [**isShown**](http://docs.google.com/FrameSequencer.html#isShown())()            Method to check if the frame sequence is being shown |
| static void | [**main**](http://docs.google.com/FrameSequencer.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 | [**play**](http://docs.google.com/FrameSequencer.html#play(int))(int framesPerSecond)            Method to play the frames (pictures) added so far |
| void | [**setBaseName**](http://docs.google.com/FrameSequencer.html#setBaseName(java.lang.String))([String](http://java.sun.com/javase/6/docs/api/java/lang/String.html?is-external=true) name)            Method to set the base name |
| void | [**setDirectory**](http://docs.google.com/FrameSequencer.html#setDirectory(java.lang.String))([String](http://java.sun.com/javase/6/docs/api/java/lang/String.html?is-external=true) dir)            Method to set the directory to write the frames to |
| void | [**setShown**](http://docs.google.com/FrameSequencer.html#setShown(boolean))(boolean value)            Method to set the shown flag |
| void | [**show**](http://docs.google.com/FrameSequencer.html#show())()            Method to show the frame sequence |

| **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** |
| --- |

### FrameSequencer

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

Constructor that takes a directory name

**Parameters:**directory - the directory to save the frames to

### FrameSequencer

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

Constructor that takes a directory name and a base file name

**Parameters:**directory - the directory to save the frames tobaseName - the base file name to use for the frames

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

### getDirectory

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

Method to get the directory to write the frames to

**Returns:**the directory to write the frames to

### setDirectory

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

Method to set the directory to write the frames to

**Parameters:**dir - the directory to use

### getBaseName

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

Method to get the base name

**Returns:**the base file name for the movie frames

### setBaseName

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

Method to set the base name

**Parameters:**name - the new base name to use

### getFrameNumber

public int **getFrameNumber**()

Method to get the frame number

**Returns:**the next frame number for the next picture added

### isShown

public boolean **isShown**()

Method to check if the frame sequence is being shown

**Returns:**true if shown and false otherwise

### setShown

public void **setShown**(boolean value)

Method to set the shown flag

**Parameters:**value - the value to use

### getNumFrames

public int **getNumFrames**()

Method to get the number of frames in this sequence

**Returns:**the number of frames

### getMoviePlayer

public [MoviePlayer](http://docs.google.com/MoviePlayer.html) **getMoviePlayer**()

Method to get the movie player to use to show this sequence

**Returns:**the movie player used to show this (may be null)

### addFrame

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

Method to add a picture to the frame sequence

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

### deleteLastFrame

public void **deleteLastFrame**()

Method to delete the last frame

### show

public void **show**()

Method to show the frame sequence

### play

public void **play**(int framesPerSecond)

Method to play the frames (pictures) added so far

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

### 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/FileChooser.html)   [**NEXT CLASS**](http://docs.google.com/Geometry.html) | [**FRAMES**](http://docs.google.com/index.html?FrameSequencer.html)    [**NO FRAMES**](http://docs.google.com/FrameSequencer.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
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