| | [**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/ImageDisplay.html)   [**NEXT CLASS**](http://docs.google.com/JpegImagesToMovie.ImageDataSource.html) | [**FRAMES**](http://docs.google.com/index.html?JpegImagesToMovie.html)    [**NO FRAMES**](http://docs.google.com/JpegImagesToMovie.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: [NESTED](#3znysh7) | [FIELD](#2et92p0) | [CONSTR](#tyjcwt) | [METHOD](#3dy6vkm) | DETAIL: [FIELD](#4d34og8) | [CONSTR](#35nkun2) | [METHOD](#44sinio) |

## Class JpegImagesToMovie

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

**All Implemented Interfaces:** javax.media.ControllerListener, javax.media.datasink.DataSinkListener

public class **JpegImagesToMovie**extends [Object](http://java.sun.com/javase/6/docs/api/java/lang/Object.html?is-external=true)implements javax.media.ControllerListener, javax.media.datasink.DataSinkListener

This program takes a list of JPEG image files and converts them into a QuickTime or AVI movie.

**Author:** Sun - orig, Barb Ericson ericson@cc.gatech.edu modified to use List instead of Vector and added methods for Quicktime and AVI

| **Nested Class Summary** | |
| --- | --- |
| (package private)  class | [**JpegImagesToMovie.ImageDataSource**](http://docs.google.com/JpegImagesToMovie.ImageDataSource.html)            A DataSource to read from a list of JPEG image files and turn that into a stream of JMF buffers. |
| (package private)  class | [**JpegImagesToMovie.ImageSourceStream**](http://docs.google.com/JpegImagesToMovie.ImageSourceStream.html)            The source stream to go along with ImageDataSource. |

| **Field Summary** | |
| --- | --- |
| (package private)  boolean | [**fileDone**](http://docs.google.com/JpegImagesToMovie.html#fileDone) |
| (package private)  boolean | [**fileSuccess**](http://docs.google.com/JpegImagesToMovie.html#fileSuccess) |
| (package private)  boolean | [**stateTransitionOK**](http://docs.google.com/JpegImagesToMovie.html#stateTransitionOK) |
| (package private)  [Object](http://java.sun.com/javase/6/docs/api/java/lang/Object.html?is-external=true) | [**waitFileSync**](http://docs.google.com/JpegImagesToMovie.html#waitFileSync) |
| (package private)  [Object](http://java.sun.com/javase/6/docs/api/java/lang/Object.html?is-external=true) | [**waitSync**](http://docs.google.com/JpegImagesToMovie.html#waitSync) |

| **Constructor Summary** | |
| --- | --- |
| [**JpegImagesToMovie**](http://docs.google.com/JpegImagesToMovie.html#JpegImagesToMovie())() |

| **Method Summary** | |
| --- | --- |
| void | [**controllerUpdate**](http://docs.google.com/JpegImagesToMovie.html#controllerUpdate(javax.media.ControllerEvent))(javax.media.ControllerEvent evt)            Controller Listener. |
| (package private)  javax.media.DataSink | [**createDataSink**](http://docs.google.com/JpegImagesToMovie.html#createDataSink(javax.media.Processor,%20javax.media.MediaLocator))(javax.media.Processor p, javax.media.MediaLocator outML)            Create the DataSink. |
| (package private) static javax.media.MediaLocator | [**createMediaLocator**](http://docs.google.com/JpegImagesToMovie.html#createMediaLocator(java.lang.String))([String](http://java.sun.com/javase/6/docs/api/java/lang/String.html?is-external=true) url)            Create a media locator from the given string. |
| void | [**dataSinkUpdate**](http://docs.google.com/JpegImagesToMovie.html#dataSinkUpdate(javax.media.datasink.DataSinkEvent))(javax.media.datasink.DataSinkEvent evt)            Event handler for the file writer. |
| boolean | [**doIt**](http://docs.google.com/JpegImagesToMovie.html#doIt(int,%20int,%20int,%20java.util.List,%20javax.media.MediaLocator,%20java.lang.String))(int width, int height, int frameRate, [List](http://java.sun.com/javase/6/docs/api/java/util/List.html?is-external=true)<[String](http://java.sun.com/javase/6/docs/api/java/lang/String.html?is-external=true)> inFiles, javax.media.MediaLocator outML, [String](http://java.sun.com/javase/6/docs/api/java/lang/String.html?is-external=true) type)            Method to write out the movie for a given type |
| boolean | [**doItAVI**](http://docs.google.com/JpegImagesToMovie.html#doItAVI(int,%20int,%20int,%20java.util.List,%20javax.media.MediaLocator))(int width, int height, int frameRate, [List](http://java.sun.com/javase/6/docs/api/java/util/List.html?is-external=true)<[String](http://java.sun.com/javase/6/docs/api/java/lang/String.html?is-external=true)> inFiles, javax.media.MediaLocator outML)            Method to write out an AVI movie |
| boolean | [**doItAVI**](http://docs.google.com/JpegImagesToMovie.html#doItAVI(int,%20int,%20int,%20java.util.List,%20javax.media.MediaLocator,%20java.lang.String))(int width, int height, int frameRate, [List](http://java.sun.com/javase/6/docs/api/java/util/List.html?is-external=true)<[String](http://java.sun.com/javase/6/docs/api/java/lang/String.html?is-external=true)> inFiles, javax.media.MediaLocator outML, [String](http://java.sun.com/javase/6/docs/api/java/lang/String.html?is-external=true) type)            Method to write out the movie for an AVI movie |
| boolean | [**doItAVI**](http://docs.google.com/JpegImagesToMovie.html#doItAVI(int,%20int,%20int,%20java.util.List,%20java.lang.String))(int width, int height, int frameRate, [List](http://java.sun.com/javase/6/docs/api/java/util/List.html?is-external=true)<[String](http://java.sun.com/javase/6/docs/api/java/lang/String.html?is-external=true)> inFiles, [String](http://java.sun.com/javase/6/docs/api/java/lang/String.html?is-external=true) outputURL)            Method to write out an AVI movie |
| boolean | [**doItQuicktime**](http://docs.google.com/JpegImagesToMovie.html#doItQuicktime(int,%20int,%20int,%20java.util.List,%20javax.media.MediaLocator))(int width, int height, int frameRate, [List](http://java.sun.com/javase/6/docs/api/java/util/List.html?is-external=true)<[String](http://java.sun.com/javase/6/docs/api/java/lang/String.html?is-external=true)> inFiles, javax.media.MediaLocator outML)            Method to write out a quicktime movie |
| boolean | [**doItQuicktime**](http://docs.google.com/JpegImagesToMovie.html#doItQuicktime(int,%20int,%20int,%20java.util.List,%20java.lang.String))(int width, int height, int frameRate, [List](http://java.sun.com/javase/6/docs/api/java/util/List.html?is-external=true)<[String](http://java.sun.com/javase/6/docs/api/java/lang/String.html?is-external=true)> inFiles, [String](http://java.sun.com/javase/6/docs/api/java/lang/String.html?is-external=true) outputURL)            Method to write out a quicktime movie |
| static void | [**main**](http://docs.google.com/JpegImagesToMovie.html#main(java.lang.String%5B%5D))([String](http://java.sun.com/javase/6/docs/api/java/lang/String.html?is-external=true)[] args) |
| (package private) static void | [**prUsage**](http://docs.google.com/JpegImagesToMovie.html#prUsage())() |
| (package private)  boolean | [**waitForFileDone**](http://docs.google.com/JpegImagesToMovie.html#waitForFileDone())()            Block until file writing is done. |
| (package private)  boolean | [**waitForState**](http://docs.google.com/JpegImagesToMovie.html#waitForState(javax.media.Processor,%20int))(javax.media.Processor p, int state)            Block until the processor has transitioned to the given state. |

| **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)) |

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

### waitSync

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

### stateTransitionOK

boolean **stateTransitionOK**

### waitFileSync

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

### fileDone

boolean **fileDone**

### fileSuccess

boolean **fileSuccess**

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

### JpegImagesToMovie

public **JpegImagesToMovie**()

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

### doItQuicktime

public boolean **doItQuicktime**(int width,  
 int height,  
 int frameRate,  
 [List](http://java.sun.com/javase/6/docs/api/java/util/List.html?is-external=true)<[String](http://java.sun.com/javase/6/docs/api/java/lang/String.html?is-external=true)> inFiles,  
 javax.media.MediaLocator outML)

Method to write out a quicktime movie

**Parameters:**width - the width of the resulting movieheight - the height of the resulting movieframeRate - the number of frames per secondinFiles - string full path names of the framesoutML - the Media Locator

### doItQuicktime

public boolean **doItQuicktime**(int width,  
 int height,  
 int frameRate,  
 [List](http://java.sun.com/javase/6/docs/api/java/util/List.html?is-external=true)<[String](http://java.sun.com/javase/6/docs/api/java/lang/String.html?is-external=true)> inFiles,  
 [String](http://java.sun.com/javase/6/docs/api/java/lang/String.html?is-external=true) outputURL)

Method to write out a quicktime movie

**Parameters:**width - the width of the resulting movieheight - the height of the resulting movieframeRate - the number of frames per secondinFiles - string full path names of the framesoutputURL - the output URL for the movie

### doItAVI

public boolean **doItAVI**(int width,  
 int height,  
 int frameRate,  
 [List](http://java.sun.com/javase/6/docs/api/java/util/List.html?is-external=true)<[String](http://java.sun.com/javase/6/docs/api/java/lang/String.html?is-external=true)> inFiles,  
 [String](http://java.sun.com/javase/6/docs/api/java/lang/String.html?is-external=true) outputURL)

Method to write out an AVI movie

**Parameters:**width - the width of the resulting movieheight - the height of the resulting movieframeRate - the number of frames per secondinFiles - string full path names of the framesoutputURL - the output URL for the movie

### doItAVI

public boolean **doItAVI**(int width,  
 int height,  
 int frameRate,  
 [List](http://java.sun.com/javase/6/docs/api/java/util/List.html?is-external=true)<[String](http://java.sun.com/javase/6/docs/api/java/lang/String.html?is-external=true)> inFiles,  
 javax.media.MediaLocator outML)

Method to write out an AVI movie

**Parameters:**width - the width of the resulting movieheight - the height of the resulting movieframeRate - the number of frames per secondinFiles - string full path names of the framesoutML - the Media Locator

### doIt

public boolean **doIt**(int width,  
 int height,  
 int frameRate,  
 [List](http://java.sun.com/javase/6/docs/api/java/util/List.html?is-external=true)<[String](http://java.sun.com/javase/6/docs/api/java/lang/String.html?is-external=true)> inFiles,  
 javax.media.MediaLocator outML,  
 [String](http://java.sun.com/javase/6/docs/api/java/lang/String.html?is-external=true) type)

Method to write out the movie for a given type

**Parameters:**width - the width of the resulting movieheight - the height of the resulting movieframeRate - the number of frames per secondinFiles - string full path names of the framesoutML - the Media Locatortype - the VideoFormat type

### doItAVI

public boolean **doItAVI**(int width,  
 int height,  
 int frameRate,  
 [List](http://java.sun.com/javase/6/docs/api/java/util/List.html?is-external=true)<[String](http://java.sun.com/javase/6/docs/api/java/lang/String.html?is-external=true)> inFiles,  
 javax.media.MediaLocator outML,  
 [String](http://java.sun.com/javase/6/docs/api/java/lang/String.html?is-external=true) type)

Method to write out the movie for an AVI movie

**Parameters:**width - the width of the resulting movieheight - the height of the resulting movieframeRate - the number of frames per secondinFiles - string full path names of the framesoutML - the Media Locatortype - the VideoFormat type

### createDataSink

javax.media.DataSink **createDataSink**(javax.media.Processor p,  
 javax.media.MediaLocator outML)

Create the DataSink.

### waitForState

boolean **waitForState**(javax.media.Processor p,  
 int state)

Block until the processor has transitioned to the given state. Return false if the transition failed.

### controllerUpdate

public void **controllerUpdate**(javax.media.ControllerEvent evt)

Controller Listener.

**Specified by:**controllerUpdate in interface javax.media.ControllerListener

### waitForFileDone

boolean **waitForFileDone**()

Block until file writing is done.

### dataSinkUpdate

public void **dataSinkUpdate**(javax.media.datasink.DataSinkEvent evt)

Event handler for the file writer.

**Specified by:**dataSinkUpdate in interface javax.media.datasink.DataSinkListener

### main

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

### prUsage

static void **prUsage**()

### createMediaLocator

static javax.media.MediaLocator **createMediaLocator**([String](http://java.sun.com/javase/6/docs/api/java/lang/String.html?is-external=true) url)

Create a media locator from the given string.

| | [**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/ImageDisplay.html)   [**NEXT CLASS**](http://docs.google.com/JpegImagesToMovie.ImageDataSource.html) | [**FRAMES**](http://docs.google.com/index.html?JpegImagesToMovie.html)    [**NO FRAMES**](http://docs.google.com/JpegImagesToMovie.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: [NESTED](#3znysh7) | [FIELD](#2et92p0) | [CONSTR](#tyjcwt) | [METHOD](#3dy6vkm) | DETAIL: [FIELD](#4d34og8) | [CONSTR](#35nkun2) | [METHOD](#44sinio) |