Creating a DVD from video lectures on MSRI's web site

Overview
MSRI does not endorse any of the software featured in this article. These instructions were written specifically for creating DVD's from video lectures found on MSRI's Video Math (VMath) library using the following software:
Trial version of TMPGEnc DVD Author 2.0
Winamp 5.x Lite

Due to the numerous video and audio formats, DVD authoring applications can only support a few types of file formats. We have found that .m2v and .aiff files are most widely supported across the major operating systems (Linux, Max OSX and Windows).
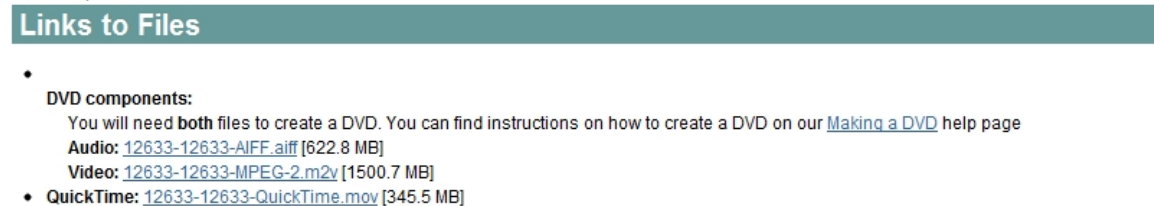
Instructions

The basic flow of the process is:
1. Download DVD files from MSRI's video lecture page
2. Convert .aiff audio file to .wav
3. Make DVD files (saved to hard drive) from previously downloaded video lecture. Burn a DVD of the newly created files

Step 1.
Download the desired .m2v and aiff. lecture files from the http://www.msri.org/web/msri/online-videos. Be sure to download both the audio file and video file located under the section entitled "Links to Files", "DVD Components".

Image1

Step 2.
TMPGEnc DVD Author does not work with .aiff audio files. So, we will convert that file to the WAV audio file format. For this step, use any audio conversion software that can convert .aiff to .wav. I happened to have Winamp installed, so I installed a plug-in to convert audio to different formats.

Convert the .aiff sound file to a .wav sound file.
http://www.winamp.com/plugins/details.php?id=96985

Download and install (double-click the plug-in after downloading) the Winamp plug-in. Open Winamp, right-click in the player (or press CTRL-P) and select 'Options', 'Preferences'. On the left, in the Plug-ins section, click 'Output' and then click the plug-in on the right you just installed ('File Writer output plug-in v1.17'). At the bottom of the same window, click the 'Configure' button. Select an output directory (it would be a good idea to choose the same directory where you downloaded the lecture files). In the 'Format' drop-down box, select 'Windows wav format (WAV)'. Click 'OK', then click 'Close'. Now, add the .aiff file you downloaded from MSRI to the playlist in Winamp (you can drag the .aiff file into the playlist from your file browser. When you

double-click the file in the playlist, Winamp will appear to play the file as it converts it to a .wav file. This process will take a few minutes and the converted file will be available after the conversion is done.

Step 3.
Download and install TMPGEnc DVD Author 2.0 (free 14 day trial, $89 to purchase)
http://tmpgenc.pegasys-inc.com/en/product/tda20.html

Version 2.0 of the software walks you through the process of creating a DVD. In a nutshell, you will need to:

- **Start Project:** Drag the file with the .m2v extension that you downloaded into the "Add Clip" section of the TMPGEnc DVD Author software
- **Source:** In the Audio Settings section, browse for the .wav sound file you created earlier
- **Menu:** The default setting for the menu template, structural settings for the DVD menu and playback options worked well for our purposes.
- **Output:** Designate a folder on your hard drive to store the DVD files created by TMPGEnc DVD Author. Leave "Transcode settings" set to "None". Select "Write to DVD after building". Click "DVD drive settings" to select the location of the DVD drive on your computer. Click "Start DVD-Video Building". Make sure you have a blank DVD handy, the DVD Author will prompt you for one when it is ready to burn the files to disc.

The time to create the DVD files and burn them to a DVD will vary depending on the speed of your computer and DVD writer. In our test, the total time was about 10 minutes, not including the time to download the two files from MSRI's web site.