

## Streaming Video As An Instructional Tool

### Week in Reviews

Week in Reviews were previously offered one night each week for two hours. With the week-in-reviews now available online, for MATH 141, 150, 151, 152, 166, 171, 172, and 365, the students are able to review highlights of important topics 24hr/day and 7days/week. They can spend just a few minutes to see problems 2, 10, and 20 (for example), or review the entire set of problems posted. In addition to weekly reviews online, reviews for major exams gives the student an excellent source of problems to review as they prepare for the exam. The Night Before Drills are still provided where students can show up and watch numerous problems being explained, but students are very appreciative that reviews are also available online.

<http://www.math.tamu.edu/teaching/helpsession/streaming.html>

<http://www.math.tamu.edu/~Janice.Epstein/141/review.html>

<http://www.math.tamu.edu/~kahlig/166WIRpage.html>

<http://www.math.tamu.edu/~dmanuel/math171/wir/index.htm>

<http://www.math.tamu.edu/~dmanuel/math172/wir/index.htm>

<http://www.math.tamu.edu/~austin/wirmath151.html>

<http://www.math.tamu.edu/~austin/wirmath152.html>

<http://www.math.tamu.edu/~marcia.drost/365wir.spr05.html>

<http://www.math.tamu.edu/~marcia.drost/150wir.new02.html>

The web addresses listed above give you a quick link to view some of the reviews offered to the students here at Texas A&M University.

**If you are interested in producing a video for your students, I have included a list of steps below to help you get started.**

Note: These steps are the directions to follow when producing Streaming Video on the Fujitsu laptop.

Type the list of problems you wish to review, and expand the type (18 pt is suggested).  
Add extra space; we suggest 2 or 3 problems per page.

On LaTeX, distill the file, and move it to public.html and chmod to change permissions.

Then on the laptop (wireless connection required), turn on computer and login.

Open Mozilla, open file.pdf and save.

Close Mozilla.

Open Windows Journal and

click on file

import

My documents

Marcia (insert your name here)

file.pdf

click on .

The file will open in Windows Journal. **SAVE**. This will automatically save the file as a .jnt file.

Open Camtasia Studio

Click on little green ball

Click on Camtasia Recorder

(small Blue Box open on the right)

Underneath the red ball is a microphone symbol. Make sure the microphone button is depressed. It should have a box frame around it.

Slide the blue box to the far right part of your screen, with the  Start, || pause,

Stop, and  Delete in the viewing window.

On the background (Camtasia Studio), click on  to shrink (but keep open).

Plug in the microphone, and the order is critical.

On the bottom left  is the symbol for opening the keyboard.

Click on the keyboard symbol and in the upper right hand corner is  "speech tools".

Click on speech tools.

Click on microphone adjustment.

Read, and follow the directions; record "This papaya tastes perfect". , .

Close keyboard.

Rotate the lid of the laptop and lay flat.

Button 3 (lower right hand side of the laptop) will rotate the laptop 180°.

Slide Camtasia recorder rectangle to the far right.

Note: When you click once on the red ball, green corners appear showing the portion of the screen about to be visible to the students.

With the stylus, move corners to the correct position over the Windows Journal file.

When ready to record, click on the red ball. The green corners will flash when recording.

To pause click on . This is useful when changing the pen color, erasing, or scrolling a long way to the next problem.

Click on the red ball to start taping again, after each pause.

Suggestion: Tape only about 5 problems at a time, or 10 - 15 minutes; then stop.

When you click on stop ; type in a file name (reopen the keyboard by clicking on the icon on the lower left).

Close the keyboard. Save the file.

Suggestions: I chose 150wir8ptA (which is 10-15 min long)

150wir8ptB (also 10-15 min long)

150wir8ptC (15 min long)

**Produce Video:** later when asked for a file name I will use 150wir8A (which will include all parts that can fit in under 55min)

Reopen Camtasia Studio (that we earlier minimized)

Each file segment appears in the Clip Bin. Drag and drop each segment in order to the time line at the bottom of the screen. There is a small open space on the right of the time line for you to drop each segment after the first segment. Fifty-five minutes appears to be the upper limit.

Note: After dropping the first clip, the time line will look like this:

| X with a small space on the right for the next clip, AND the total time will show.

If you closed Camtasia Studio earlier follow these steps instead:

Open Camtasia Studio

Import

import video

150wir8ptA

import video

150wir8ptB

import video

150wir8ptC

Click on **Produce**

Click on produce video as

These will automatically appear:

- Macromedia Flash [SWF] movie file

16 Bit High Color

5 Frame Rate

Encode Audio

MP3

11.025kHz, Mono, 16k Bits/sec

Advanced

Details

High Color 16-Bit

5

800x600 size

MP3

next

- largest video size 800x600

next

Destination (automatic)

Documents and Settings \MyDocuments\Marcia\

File Name:

-----\_swf (change the prefix before .swf to new name, ie: 150wir8A in this case)

finish

After taping all parts of video, and producing all segments, close Camtasia.

Open Documents

click on Camtasia Studio

Open My Computer

\\server1\VideoRAID\$

Click on the file name of the course you are putting the streaming video in.

Go back to Camtasia Studio, click, and highlight the FOUR files produced under each file name.

Drag and drop them into VideoRAID\$.

Go to your web page and update the links to allow access.

You've now produced your first video. Congratulations!