ET-460/494

DSP Lab 6

Equipment Required: Texas Instruments eZdsp USB Stick

                                           Male-to-Male Audio Cable

                                           Audio Source (e.g. computer, mp3 player, microphone)

                                           Headphones (or speakers)

Lab 6

(1.) Follow the slides for Chapter 6, "FIR Filters". **Again make sure the 551 chipset is still selected.**

(2.) This lab ties in closely with the previous lab. It is recommended that you refer back to the previous lab if you have difficulty understanding the concepts.

(3.) The information about data series is actually extremely useful and is far better explained here than in many textbooks.

(4.) Questions:

   a. What are FIR filters used for

   b. Why are FIR filters finite?

   c. Explain what occurs when you change the frequency of the sampling rate.