

ET-460/494

DSP Lab 7

Equipment Required: Texas Instruments eZdsp USB Stick
Male-to-Male Audio Cable
Audio Source (e.g. computer, mp3 player, microphone)
Headphones (or speakers)

Lab 7

- (1.) Follow the slides for Chapter 7, “IIR Filters”. **Again make sure the 551 chipset is still selected.**
- (2.) This lab has numerous files to exclude initially . Make sure the proper files are excluded, otherwise the DSP will not perform what is expected.
- (3.) The information about data series is actually extremely useful and is far better explained here than in many textbooks.
- (4.) Questions:
 - a. Why are IIR filters infinite?
 - b. What is a BLT?
 - c. What happens when the transfer function has a denominator of 0?
 - d. What happens when the transfer function has a numerator of 0?