

**Mini-Project #2: Octave Band Filtering for Audio Signals**

Assigned on Saturday, October 27, 2018  
 Due on Friday, November 2, 2018, by 5:00pm

*Late homework is subject to a penalty of two points per minute late.*

**Reading:** McClellan, Schafer and Yoder, *Signal Processing First*, 2003, Chapter 7.  
 Companion Web site with demos and other supplemental information: <http://dspfirst.gatech.edu/>  
 Web site contains solutions to selected homework problems from *DSP First*.

The e-mail address for Mr. Houshang Salimian (TA) is [salimian.houshang@gmail.com](mailto:salimian.houshang@gmail.com).  
 Office hours for Mr. Salimian and Prof. Evans follow:

<i>Time Slot</i>	<i>Monday</i>	<i>Tuesday</i>	<i>Wednesday</i>	<i>Thursday</i>	<i>Friday</i>
11:00 am		Salimian (EER 0.814 Table #4)		Salimian (EER 0.814A)	Salimian (EER 0.814D)
11:30 am		Salimian (EER 0.814 Table #4)		Salimian (EER 0.814A)	Salimian (EER 0.814D)
12:00 pm		Salimian (EER 0.814 Table #4)		Salimian (EER 0.814A)	Salimian (EER 0.814D)
12:30 pm		Evans (EER 1.516)		Evans (EER 1.516)	Salimian (EER 0.814D)
1:00 pm		Evans (EER 1.516)		Evans (EER 1.516)	
1:30 pm		Evans (EER 1.516)		Evans (EER 1.516)	
2:00 pm		Evans (EER 6.882)	Evans (EER 6.882)	Evans (EER 6.882)	
2:30 pm		Evans (EER 6.882)	Evans (EER 6.882)	Evans (EER 6.882)	
3:00 pm		Evans (EER 6.882)	Salimian (EER 1.810)	Evans (EER 6.882)	
3:30 pm			Salimian (EER 1.810)		
4:00 pm			Salimian (EER 1.810)		
4:30 pm					

**Assignment is to write a narrative report for “Lab P-14: Octave Band Filtering”:**

<http://dspfirst.gatech.edu/chapters/DSP1st2eLabs/OctaveBandFiltLab.pdf>

You may work individually or with one partner. If you work with a partner, then submit one mini-project report per team of two people. Be sure that the mini-project report represents the independent work of the author(s) on the report. Please follow the guidelines for the narrative report at

<http://users.ece.utexas.edu/~bevans/courses/signals/homework/index.html>