Department of Electrical and Computer Engineering The University of Alabama in Huntsville

CPE 381: Fundamentals of Signals and Systems for Computer Engineers

Programming Assignment: Real-time Signal Processing Final Report

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•	Program Functionality
	Adding Noise (5 points) 5
	Reading WAV file (10 points)
	Multi-Frequency Support (10 points)
	Filter Implementation (20 points)
	Writing output WAV file (10 points)
•	Report
	Introduction (description of the problem) (5 points)5
	• Filter Design (10 points)
	Spectral Analysis (10 points)
	Performance of the program (10 points)
	Lessons learned (10 points)
	Total : 100

Comments: