

Department of Electrical and Computer Engineering
The Johns Hopkins University
520.645 Adaptive Filtering – Fall 2001

Problem Set IV

1. Problem 9.7 Haykin.
You may assume that all signals as well as the adaptive filter coefficients are real-valued.
2. Implement the LMS adaptive transversal channel equalizer as described in Section 9.7 Haykin.
Explore the algorithm's performance with various eigenvalue spread and various step sizes.
Plot the corresponding learning curves.

Due date: **October 26** in class