

Department of Electrical & Computer Engineering  
University of California, Santa Barbara

ECE 245  
Spring 2008  
Shynk  
H.O. #18

## **HOMEWORK #7**

Due Thursday, May 22, 2008 (5:00 p.m.)

**Reading:** Chapters 9 (9.7–9.10) and 3 (3.1–3.5)

**Problems:**

1. Chapter 9: Problem 4
2. Chapter 9: Problem 7
3. Chapter 3: Problem 2
4. Derive the sliding-window form of the RLS algorithm.