

**ECE 4270 - Summer 2004  
Homework Assignment #7**

Assigned: June-23-2004

Due Date: June-30-2004

**General Note:**

- Homework is due at class time on the “Due Date”; no late homework will be accepted.
- Make a **COVER PAGE** for your homework, including your name and GT number. You can find a sample cover sheet in the website for class resources. Staple your homework together; the TA will not be responsible for missing pages.
- Solutions will be available on the course web site after each corresponding due date.

**Reading:** In *Discrete-Time Signal Processing*, Chapter 5, pp. 279-311, Chapter 6, 340-391.

**Graded Problems:**

**PROBLEM 7.1:**

*Discrete-Time Signal Processing, 2nd Edition*, Chap. 5, Prob.5.31, page 322.

**PROBLEM 7.2:**

*Discrete-Time Signal Processing, 2nd Edition*, Chap. 5, Prob.5.37, page 324.

**PROBLEM 7.3:**

*Discrete-Time Signal Processing, 2nd Edition*, Chap. 5, Prob.5.39, page 325.

**PROBLEM 7.4:**

*Discrete-Time Signal Processing, 2nd Edition*, Chap. 5, Prob.5.53, page 330.

**PROBLEM 7.5:**

*Discrete-Time Signal Processing, 2nd Edition*, Chap. 6, Prob.6.23, page 425-6.

**PROBLEM 7.6:**

*Discrete-Time Signal Processing, 2nd Edition*, Chap. 6, Prob.6.24, page 426.