

**ECE 4270 - Summer 2004
Homework Assignment #8**

Assigned: June-30-2004
Due Date: July-14-2004

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 7, pp. 439-511, Chapter 8, 541-589.

Graded Problems:

PROBLEM 8.1:

Discrete-Time Signal Processing, 2nd Edition, Chap. 7, Prob.7.21, page 516.

PROBLEM 8.2:

Discrete-Time Signal Processing, 2nd Edition, Chap. 7, Prob.7.22, page 516.

PROBLEM 8.3:

Discrete-Time Signal Processing, 2nd Edition, Chap. 7, Prob.7.23, page 517.

PROBLEM 8.4:

Discrete-Time Signal Processing, 2nd Edition, Chap. 7, Prob.7.26, page 518.

PROBLEM 8.5:

Discrete-Time Signal Processing, 2nd Edition, Chap. 7, Prob.7.27, page 518.

PROBLEM 8.6:

Discrete-Time Signal Processing, 2nd Edition, Chap. 8, Prob.8.21, page 606-7.

PROBLEM 8.7:

Discrete-Time Signal Processing, 2nd Edition, Chap. 8, Prob.8.25, page 608.

PROBLEM 8.8:

Discrete-Time Signal Processing, 2nd Edition, Chap. 8, Prob.8.26, page 608.