

**ECE 4270 - Summer 2004
Homework Assignment #4**

Assigned: June-4-2004
Due Date: June-11-2004

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 4, pp. 153-213.

Exercise Problems:

PROBLEM 4.1:

Discrete-Time Signal Processing, 2nd Edition, Chap. 4, Prob.4.1, 4.4, 4.5 and 4.8.

Graded Problems:

PROBLEM 4.2:

Discrete-Time Signal Processing, 2nd Edition, Chap. 4, Prob.4.22, page 218-9.

PROBLEM 4.3:

Discrete-Time Signal Processing, 2nd Edition, Chap. 4, Prob.4.25, page 220.

PROBLEM 4.4:

Discrete-Time Signal Processing, 2nd Edition, Chap. 4, Prob.4.27, page 221.

PROBLEM 4.5:

Discrete-Time Signal Processing, 2nd Edition, Chap. 4, Prob.4.38, page 223.

PROBLEM 4.6:

Discrete-Time Signal Processing, 2nd Edition, Chap. 4, Prob.4.40, page 224.