

UNIVERSITY OF TEXAS AT DALLAS
Department of Electrical Engineering

EE 6391 - Signaling and Coding for Wireless Communication Systems
Problem Set #4: Digital Modulation

Date assigned: March 24, 2005

Date due: March 31, 2005

Homework is due at the beginning of class. Late homework will not be accepted.

Reading: "A unified approach to the performance analysis of digital communication over generalized fading channels," M.K. Simon and M.-S. Alouini, IEEE Proceedings. Dec. 1998

You may use any computer program to help you solve these problems, check answers, etc.

Problem 4.1 Digital Modulation Performance in Fading

Chapter 6 - Problem 16 in *Wireless Communications* by A. Goldsmith.

Problem 4.2 Digital Modulation Performance in Fading

Chapter 6 - Problem 17 in *Wireless Communications* by A. Goldsmith.

Problem 4.3 Digital Modulation Performance in Fading

Chapter 7 - Problem 4 in *Wireless Communications* by A. Goldsmith.

Problem 4.3 Digital Modulation Performance in Fading

Chapter 7 - Problem 17 in *Wireless Communications* by A. Goldsmith.