The Ohio State University
Department of Electrical and Computer Engineering
ECE 551
Computer Aided Design Project #2
with
Formal Report

(1) Use frequency domain methods to solve design problems P10.1a and P10.9a in the text. Be sure to verify via simulation that you have met the indicated specifications. Use Matlab for the design and simulations.

(3) Formal Report:

Write a report on the results using the following outline (the page limits are strict):

Title page (with your name and the date and an Executive Summary (abstract) which is a short paragraph description of what the report is about)
Design Problem Descriptions: (< 1 page)
Controller Design Approach: (<2 pages)
- Describe your approach to designing the compensators
- Provide the final compensators that you designed (the ones that meet the specs)

Verification of Specifications: (< 2 pages)
- Provide simulations / analysis to verify that you meet the specifications

Staple your six page report in the upper left hand corner - do not use any special binding. You must type the report. Overall quality of the presentation counts. You will be graded on English grammar and spelling. You must adhere to the above length requirements and use no smaller than a 12pt font.

Due: May 23, 2008, in class
(-25% for each day late)