

MASSACHUSETTS INSTITUTE OF TECHNOLOGY
Department of Mechanical Engineering
2.004 Dynamics and Control II
Fall 2007

Problem Set #7

Posted: Friday, Oct. 26, '07

Due: Friday, Nov. 2, '07

The problems in this set are all from the textbook and most can be solved using MATLAB . We recommend that you solve them analytically first to practice your skills in interpreting and manipulating root loci; you may then use MATLAB to verify your solutions.

1. Nise problem 5 from chapter 8, page 476.
2. Nise problem 7 from chapter 8, page 477.
3. Nise problem 9 from chapter 8, page 477.
4. Nise problem 17 from chapter 8, page 479.
5. Nise problem 24 from chapter 8, page 481.