

AME 561

Homework 11

Due: Tuesday, 5 December 2000, in class

1. Kaplan, Chapter 8 supplement, p. 560: 1f; if  $\mathbf{x}(0) = (1, 3, 2)^T$ , determine the solution that satisfies the initial conditions; plot  $x_1(t), x_2(t), x_3(t)$ . Plot the solution trajectory in  $x_1, x_2, x_3$  space.
2. Kaplan, Chapter 8 supplement, p. 568: 1d
3. Course notes, p. 329: 1
4. Course notes, p. 330: 2
5. Course notes, p. 331: 8
6. Course notes, p. 333: 22
7. Course notes, p. 333: 37
8. Course notes, p. 335: 40
9. Course notes, p. 336: 49
10. Course notes, p. 337: 50