

AME 60611

Homework 11

Due: Wednesday, 7 December 2005, in class

1. Kaplan, p. 643: 1c: 1f; if $\mathbf{x}(0) = (0, 3)^T$, determine the solution that satisfies the initial conditions; plot $x_1(t), x_2(t)$. Plot the solution trajectory in x_1, x_2 space.
2. Kaplan, p. 643: 2a
3. Course notes, p. 371: 9.1
4. Course notes, p. 371: 9.2
5. Course notes, p. 372: 9.8
6. Course notes, p. 374: 9.22
7. Course notes, p. 376: 9.37
8. Course notes, p. 376: 9.40
9. Course notes, p. 378: 9.49
10. Course notes, p. 378: 9.50