

AME 60611

Homework 11

Due: Monday, 8 December 2008, in class

1. Kaplan, p. 643: 1e; if  $\mathbf{x}(0) = (1, 3)^T$ , 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: 2b
3. Course notes, p. 396: 1
4. Course notes, p. 396: 2
5. Course notes, p. 398: 9
6. Course notes, p. 400: 23
7. Course notes, p. 401: 31
8. Course notes, p. 403: 44
9. Course notes, p. 404: 50
10. Course notes, p. 404: 51