

AME 561

Homework 11

Due: Friday, 3 December 1999, in class

1. Course notes, p. 317: 1
2. Course notes, p. 317: 2; you may find the Matlab tool “pplane5” useful here.
3. Course notes, p. 318: 4
4. Course notes, p. 319: 8; plot $x_1(t), x_2(t), x_3(t)$ for $0 > t > -20$. Plot the solution trajectory in the x_1, x_2, x_3 phase space.
5. Course notes, p. 320: 11
6. Course notes, p. 320: 12
7. Course notes, p. 321: 22
8. Course notes, p. 321: 23
9. Course notes, p. 324: 49
10. Course notes, p. 325: 50