

Math 20750
Spring, 2016

Assignment 8, due March 4

Reread §§8.1–3 in Polking, Boggess and Arnold.

Do:

§8.1 #10,12,15,17,18,32 In #32 you can use pplane.

§8.2 #18,21,27,28,29 In #18,28 use pplane. In #21, explain each choice briefly.

Reread chapters 8 and 9 in *Differential Equations with MATLAB*[®].

Do as a MATLAB group:

Problem Set C #17

Hint for Problem Set C #17

- You will have to use `odeset` to set the values of `AbsTol` and `RelTol`. Think about what values you are likely to need for these to get the desired accuracy.

Linear algebra review

Starting at the end of chapter 8, we will be using linear algebra in our study of systems. If your linear algebra is rusty, you may find it useful to read chapter 7 in Polking, Boggess and Arnold. Here are some suggested review problems (not to be turned in):

§7.1 #33,37

§7.2 #13,17,36

§7.3 #5,7,9

§7.4 #3,5,19,23,27

§7.5 #5,22,23,38,39

§7.6 #2,3,7,9,15,19,23,25

§7.7 #9,14,15,18,35,37