Math 20750
Spring, 2016

Assignment 13, due April 22

Reread §4.1-4.4 and read §§4.5-4.7 in Polking, Boggess and Arnold.

Do:
§4.1 #18,21
§4.2 #17,18
§4.3 #27,28,30,35
§4.4 #12,20
§4.5 #3,7,25,33,38
§4.6 #1,4,6,8,13
§4.7 #3,9,10,26,35,39 if we get far enough Wednesday. Typo: the ODE in the instructions for #35 should be $x'' + 2cx' + \omega_0^2 x = A\cos\omega t$.

Reread chapters 11 in *Differential Equations with MATLAB®*.

Do as a MATLAB group:
Problem Set D #15

Hints, Problem Set D #15

- In (a), make sure your solution doesn't run off the side of the paper. You can do this with **pretty** or, better yet, use **simplify**.

- In the last part of (b) and in (c) make sure you choose a long enough interval to show the phenomena.