

Homework Assignment for March 27 - April 6, week 12 - 13

Math 2552R, Spring 2017
Prof. Li

Reading Assignment:

- week 12 - 13 Brannan and Boyce (3rd. ed), Sections 5.7, 1.1.

Homework Assignment: (you may want to use Matlab for some of the problems. Matlab file for drawing direction fields is on t-square.)

- Section 5.7 # 5, 6, 9

For the following questions, derive the corresponding differential equation in each of the following question on your own. In the final exam, you will be asked to describe physical situations using differential equations similar to these. Solve each differential equation in addition to the questions asked in the exercises.

- Section 1.1 # 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 19, 20.

Quiz 9. March 30, covers Sec. 5.3 - 5.6.

Exam II. April 4, covers Sections 4.2, 4.3, 4.5, 4.7, 5.1 - 5.7, 6.2 - 6.5.