
Differential Equations

Math 341 Fall 2013
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Fowler 307 MWF 12:50pm - 1:45pm
<http://faculty.oxy.edu/ron/math/341/13/>

Week 5

Monday September 23 : Buckmire absent

Wednesday September 25 : *Worksheet 7*

Bifurcations. We will learn about a modern analytical technique which allows one to analyze differential equations which contain parameters.

Reading:

Blanchard, Section 1.7

Homework #7:

Blanchard, Section 1.7: 3, 6, 10, 13, 18.

Friday September 27 *Worksheet 8:*

Linear Differential Equations. We will learn about the Linearity Principle and how it helps us to solve an entire class of ODEs.

Reading:

Blanchard, Section 1.8

Homework #8:

Blanchard, Section 1.8: 4, 8, 9, 17, 18, 20, 31*.

Quiz #3:

Take-home Quiz on Bifurcation.