
Differential Equations

Math 341 Fall 2009
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Fowler 110 MWF 2:30pm - 3:25pm
<http://faculty.oxy.edu/ron/math/341/09/>

Week 2

Monday September 7 : Enjoy The Labor day Holiday!

Wednesday September 9 : *Class 3*:

Slope Fields. We will begin our qualitative analysis of differential equations by introducing and investigating **slope fields**.

Reading:

Blanchard, Section 1.3

Homework #3:

Blanchard, Section 1.3: 7, 8, 9, 10, 12, 15

Friday September 12 *Class 4*:

Euler's Method. We will learn about a simple (and possibly familiar) numerical technique called Euler's Method which approximates solutions to ODEs.

Reading:

Blanchard, Section 1.4.

Homework #4:

Blanchard, Section 1.4: 5, 6, 13, 15.