
Differential Equations

Math 341 Fall 2008
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Fowler 307 MWF 2:30pm - 3:25pm
<http://faculty.oxy.edu/ron/math/341/08/>

Week 8

Monday October 13 : *Fall Break*

Wednesday October 15 : *Worksheet 18*

Linear Systems with Complex Eigenvalues We continue our march through analyzing all possible kinds of systems of linear ODEs by considering matrices that have complex eigenvalues.

Reading:

Blanchard, Section 3.4

Homework #18:

Blanchard, Section 3.4: 1, 2, 3, 4.

Take-Home Quiz #4 Due

Friday October 17 : *Worksheet 19*

Special Cases: Repeated and Zero Eigenvalues. We conclude our survey of linear systems of ODEs by considering some of the special cases of matrices with repeated eigenvalues or eigenvalues that are zero.

Reading:

Blanchard, Section 3.5

Homework #19:

Blanchard, Section 3.5: 3, 4, 9, 10, 17, 18.