

**Partial Differential Equations Seminar**  
**Fall Semester, 2010-11**  
**Avery Hall, Room 109, 2:30-3:20 Tuesdays**

**Date:** 8/24

**Note:** No seminar.

**Date:** 8/31

**Speaker:** Zahava Willstein, UNL Department of Mathematics

**Title:** *Local and global existence for a wave equation with  $p$ -Laplacian damping, part 1.*

**Date:** 9/7

**Speaker:** Zahava Willstein, UNL Department of Mathematics

**Title:** *Local and global existence for a wave equation with  $p$ -Laplacian damping, part 2.*

**Date:** 9/14

**Speaker:** Zahava Willstein, UNL Department of Mathematics

**Title:** *Local and global existence for a wave equation with  $p$ -Laplacian damping, part 3.*

**Date:** 9/21

**Speaker:** Tom Clark, UNL Department of Mathematics

**Title:** *An integral solution to an inviscid Burgers' equation using the method of characteristics.*

**Date:** 9/28

**Speaker:** Joe Geisbauer, UNL Department of Mathematics

**Title:** *Partial regularity for parabolic systems with subquadratic growth, part 1.*

**Date:** 10/5

**Speaker:** Joe Geisbauer, UNL Department of Mathematics

**Title:** *Partial regularity for parabolic systems with subquadratic growth, part 2.*

**Date:** 10/12

**Speaker:** Joe Geisbauer, UNL Department of Mathematics

**Title:** *Partial regularity for parabolic systems with subquadratic growth, part 3.*

**Date:** 10/19

**Note:** Fall break. No seminar.

**Date:** 10/26

**Speaker:** Joe Geisbauer, UNL Department of Mathematics

**Title:** *Partial regularity for parabolic systems with subquadratic growth, part 4.*

**Date:** 11/2

**Speaker:** Joe Geisbauer, UNL Department of Mathematics

**Title:** *Partial regularity for parabolic systems with subquadratic growth, part 5.*

**Date:** 11/9

**Note:** Math Day. No seminar.

**Date:** 11/16

**Speaker:** Daniel Toundykov, UNL Department of Mathematics

**Title:** *Stability and spectrum of linear systems in infinite dimensions, part 1.*

**Date:** 11/23

**Speaker:** Daniel Toundykov, UNL Department of Mathematics

**Title:** *Stability and spectrum of linear systems in infinite dimensions, part 2.*

**Date:** 11/30

**Speaker:** Steve Cohn, UNL Department of Mathematics

**Title:** *Topics in stochastic differential equations, part 1.*

**Date:** 12/7

**Speaker:** Steve Cohn, UNL Department of Mathematics

**Title:** *Topics in stochastic differential equations, part 2.*

**Date:** 12/14

**Note:** Finals week. No seminar.