

MATHEMATICS DEPARTMENT  
North Carolina State University

**DIFFERENTIAL EQUATIONS SEMINAR**

Wednesday, November 29, 2006  
3:00 p.m. 330 Harrelson Hall

**Mark Williams**

Department of Mathematics  
University of North Carolina at Chapel Hill

**“Nonclassical multidimensional shocks”**

We discuss shock manifolds, generalized Rankine-Hugoniot conditions, and stability for multidimensional nonconservative Lax and undercompressive shocks. The nonconservative theory for both the inviscid and viscous cases extends and clarifies the conservative theory.

**Graduate students are invited to attend.**

For questions, comments, and offers to talk, contact Steve Schechter, [schechter@math.ncsu.edu](mailto:schechter@math.ncsu.edu). Please visit the DE Seminar web page at [www.math.ncsu.edu/seminars.html](http://www.math.ncsu.edu/seminars.html).