

Meeting: 1001, Evanston, Illinois, SS 6A, Special Session on Nonlinear Partial Differential Equations and Applications

1001-35-90 **Dehua Wang*** (dwang@math.pitt.edu), Department of Mathematics, University of Pittsburgh, Pittsburgh, PA 15260. *Global Structure of Solutions to a Two-Dimensional System of Conservation Laws*. Preliminary report.

A two-dimensional system of simplified Euler equations will be considered. The talk will concentrate on the structure of the global solutions of a Cauchy problem. The evolution of the singularities will be discussed. (Received August 16, 2004)