

Meeting: 1003, Atlanta, Georgia, SS 27A, AMS-SIAM Special Session on Analysis and Applications in Nonlinear Partial Differential Equations, I

1003-35-1150 **Dehua Wang*** (dwang@math.pitt.edu), Department of Mathematics, University of Pittsburgh, Pittsburgh, PA 15260. *Global solutions of multi-dimensional Euler equations and related problems.*

The global solutions of some problems related to multi-dimensional Euler equations will be considered. Formation of singularity, a piston problem, and global structure and evolution of singularity will be discussed. (Received October 04, 2004)