

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

1001-35-203 **Tai-Ping Liu***, Dept of Mathematics, Stanford University, Stanford, CA 94305. *Shock and boundary layers for Boltzmann equation.*

We will survey recent results on the Boltzmann boundary layers and shock layers. Various techniques such as the damping for isolation of layers and coupling of layers will be presented. (Received August 25, 2004)