

962-35-1245

Gui-Qiang G. Chen* (gqchen@math.northwestern.edu), Department of Mathematics, 2033 Sheridan Road, Lunt Hall, Northwestern University, Evanston, IL 60208-2730. *Vacuum and Stability of Global Weak Solutions for Compressible Flow*. Preliminary report.

In this talk we discuss some recent results on global weak solutions (with or without vacuum states) to the compressible Euler equations, as well as the compressible Navier-Stokes equations. (Received October 03, 2000)