1015-35-189   **Ning Ju*** (`ningju@math.okstate.edu`), Department of Mathematics, Oklahoma State University, 401 Mathematical Sciences, Stillwater, OK 74078. *The Global Attactor for the Solutions to the 3D Viscous Primitive Equations.*

The 3D viscous Primitive Equations (PEs), which model the large scale ocean and atmosphere dynamics, are one of the fundamental set of systems used in Geophysical Fluid Dynamics. In this talk, I will present my recent result which proves existence of the global attractor for the *strong* solutions to the 3D viscous PEs. (Received February 05, 2006)