1025-35-283 **Roger Temam***, Department of Mathematics, Indiana University, Bloomington, IN 47405.

Remarks on the Three-Dimensional Linearized Primitive Equations in the Absence of Viscosity.

In this lecture we propose boundary conditions which are appropriate for the system of hyperbolic PDEs corresponding to one supercritical normal mode of the 3 D Linearized Primitive Equations without Viscosity, and we show the existence and uniqueness of the corresponding initial and boundary value problem. (Received January 29, 2007)