

1085-35-229

Gung-Min Gie* (ggie@math.ucr.edu), 900 University Ave., Riverside, CA 92521, and **Makram Hamouda, James P. Kelliher** and **Roger Temam**. *Boundary layers of the Navier-Stokes equations.*

We study boundary layers of the Navier-Stokes equations at small viscosity, in a curved domain, under various boundary conditions. In this talk, using the curvilinear system adapted to the boundary, we will focus on the construction of an incompressible corrector. (Received September 10, 2012)