

1038-35-51

Cleopatra Christoforou*, Department of Mathematics, University of Houston, 4800 Calhoun Rd., Houston, TX 77204, and **Laura Spinolo**, Northwestern University, Evanston, IL 60208. *The Initial-Boundary Riemann Problem for Hyperbolic Conservation Laws and the Time-Dependent Vanishing Viscosity Method.*

We consider the initial-boundary value problem for a hyperbolic system of conservation laws with Riemann data and establish existence using a time-dependent vanishing viscosity approach. The characterization of the hyperbolic trace is given and compared with the one obtained using the standard vanishing viscosity limit. (Received January 18, 2008)