

1030-35-32

Constantine M. Dafermos* (dafermos@dam.brown.edu), Division of Applied Mathematics,
Brown University, Providence, RI 02912. *Hyperbolic Balance Laws with Weak Dissipation.*

The lecture will characterize source terms of hyperbolic systems of balance laws that induce dissipation, in the context of BV solutions, and will discuss implications to the theory of relaxation. (Received June 24, 2007)