Self-similar boundary layers for nonlinear hyperbolic systems with viscosity and capillarity

Anupam Pal Choudhury
Department of Mathematics and Computer Science,
University of Basel
anupampcmath@gmail.com, anupam.palchoudhury@unibas.ch

In this talk, we shall discuss on the vanishing viscosity-capillarity limit under the assumption of self-similarity when the underlying nonlinear hyperbolic system of conservation laws is formulated as a boundary value problem on the half-line.