

V - WENLU - Workshop em Equações Diferenciais não Lineares da UFPB - Verão 2016

João Pessoa, 16 a 19 de Fevereiro , 2016

Title: Entropy conditions for shock waves

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Abstract: In this talk we will discuss on entropy conditions for shock waves in conservation laws. We intend to highlight the so-called viscous profile entropy condition and how to carry out the analysis of the phase portrait of the associated dynamical system to obtain a heteroclinic orbit joining two equilibria. Such heteroclinic orbit represents an admissible shock wave in a Riemann problem solution.