



SEMINÁRIO DE EQUAÇÕES DIFERENCIAIS

Delta shock wave solution for a system of conservation laws

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Resumo: This talk is concerned with a hyperbolic system of conservation laws of Keyfitz-Kranzer type. We show existence of delta shock wave solution using the vanishing viscosity method. Also, the generalized Rankine-Hugoniot relation and entropy condition are established.

Joint work with Marcelo Santos (IMECC-UNICAMP, Brazil).