



Mês de: SETEMBRO 2013

**SEMINÁRIO DE ANÁLISE E EQUAÇÕES
DIFERENCIAIS**

Dia 26 de Setembro (quinta-feira), às 13h30, na Sala B3-01

On three problems involving hyperbolic conservation laws

Paulo Amorim

(UFRJ, Rio de Janeiro)

Abstract:

In this talk I will discuss three results involving hyperbolic conservation laws. The first result establishes linearized stability for a Burgers-Schrodinger system and is a collaboration with J.-P. Dias, M. Figueira and Ph. LeFloch. The second is a well-posedness result for a nonlocal hyperbolic conservation law arising from a gradient constraint problem. The third is a convergence result for a numerical method for a class of nonlocal conservation laws arising in traffic modelling, and is a collaboration with R. Colombo and A. Teixeira.

