



Mês de: **OUTUBRO 2012**

SEMINÁRIO DE ANÁLISE E EQUAÇÕES DIFERENCIAIS

Dia 4 de Outubro (quinta-feira), às 14h45, na Sala B3-01

Approximation Algorithms for the Reachable Set
of Nonlinear Controlled Systems

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Abstract:

The report considers the approximation algorithms for the reachable set of a nonlinear control system. There are introduced algorithms based on the stochastic approximation method, on the method of volume maximization and on the methods that uses as a basis the necessary conditions for optimality. Represented results of numerical experiments include computations for the classical systems, dynamic systems with non-smooth right-hand members, pulse control actions, hysteresis delays.

Joint work with E. Finkelstein.

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