

UNICAMP – IMECC  
Departamento de Matemática

## Seminário de Sistemas Dinâmicos e Estocásticos

**Expositor:** P. R. Silva (IBILCE-UNESP)

**Título:** Synchronization, singular perturbation and  
non-smooth systems

**Data:** Sexta-feira, 16 de abril de 2010, 13h30min

**Local:** Sala 321 do IMECC

**Resumo.** We discuss some aspects of the qualitative-geometric theory of Non-smooth Systems. We show the connection between the regularization process of a non-smooth vector field and the singular perturbation problem. As a matter of fact, the main results in our setting fill a gap between these areas. Synchronized discontinuous vector fields are studied.

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