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\* PROGRAMA DE VERÃO 2012 \*

# SISTEMAS DINÂMICOS

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Bifurcations of discontinuous  
piecewise smooth vector fields  
in the plane

Jorge Sotomayor (IME/USP)

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A review of the Filippov conventions to describe the transition of orbits of discontinuous vector fields crossing and sliding along a line of discontinuity of vector fields as in the title will be given. A relation between the structural stability and bifurcations properties in the class above and those known for the class of smooth vector fields will be established under appropriate hypotheses.

Work in collaboration with A. L. Maciel, UFSM, Brazil.

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Data: 09 de fevereiro, às 16:00  
Local: Auditório Antônio Gilioli (247/262 A)