

UNICAMP – IMECC
Departamento de Matemática

Seminário de Sistemas Dinâmicos e Estocásticos

Expositor: O. Makarenkov (Imperial College)

Título: Singular implicit function theorem

Data: Sexta-feira, 11 de junho de 2010, 13h30min

Local: Sala 321 do IMECC

Resumo. I will consider the equation $f(x, a) = 0$ in the case when $df/dx(0, 0) = 0$ and $df/da(0, 0) = 0$. Proof of the existence of implicit function $x(a)$ solving this equations will be discussed in details. Such kind of implicit equations occurs in studying continuation of periodic orbits of differential equations with impacts (specifically, continuation of periodic orbits touching the impact surface).

Consulte a programação em [www.ime.unicamp.br/ssde].