



Mês de: Outubro 2009

SEMINÁRIO DE TEORIA DOS MODELOS

Dia 2 de Outubro, às 15h00 na Sala A2-25

“On the limit at an equilibrium point, in directions, of the differential of a real analytic vector field along a non oscillating trajectory.”

VINCENT GRANDJEAN

(BATH & OLDENBURG)

Abstract:

Given a non oscillating semi-trajectory G of a real analytic X vector field ending up at O a singular point of the vector field, we look at how the differential DX of X at points of G , seen in the projective space of $n \times n$ matrices, behaves. I will show:

1- The limit D of DX , taken in the projectives spaces of $n \times n$ matrices, exists. 2- The limit direction of X along G at the point O is an eigen-direction of D . Before coming to this specific topic I will say a few words about some introductory material.