



Mês de: **Julho 2010**

SEMINÁRIO DE TEORIA DOS MODELOS

Dia 21 de Julho (quarta-feira), às 18h, na Sala B3-01

“Tameness of complex dimension in a real analytic set”

(Joint work with J. Adamus and R. Shafikov)

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Abstract:

Given a real analytic set X in a complex manifold and a positive integer d , denote by A^d the set of points p in X such that there exists a germ of a complex analytic set of dimension d passing through p and contained in X . We proved that A^d is a closed semianalytic subset of X . A key argument involves interplay between finiteness of Morley rank and o-minimal dimension, in a way similar to the proof of DCC for groups definable in o-minimal structures.

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