Mês de: Outubro 2010

SEMINÁRIO DE LÓGICA MATEMÁTICA

Dia 7 de Outubro (quinta-feira), às 17h, na Sala A2-25

"Generic stability and the forking ideal"

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Abstract:

One of the main tools that model theory offers for analysis of arbitrary structures is abstract notions of "smallness" (that is, "nice" ideals on the Boolean algebra of definable sets). Two important such notions are forking (which is related to certain measure-0 ideals) and thorn-forking (which often "captures" classical topological dimension).

I will describe these notions and known connections between them. This will be a very general talk (no technical issues). I will try to give many examples. The main goal of the talk will be to explain a recent result (joint with D. Garcia and A. Onshuus) stating that all" reasonable" notions of smallness coincide on generically stable types, which turns out to be an important class for the analysis of many concrete structures (e.g. many valued fields).