



Mês de: JULHO 2013

SEMINÁRIO DE LÓGICA MATEMÁTICA

(Please note the new time!!!!)

Dia 4 de Julho (quinta-feira), às 15h30, na Sala B3-01

Mathematical Logic as a Foundational Enterprise

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Abstract:

I discuss recent work and programs in Mathematical Logic which I regard as having foundational importance. I do not advance answers or discuss grand philosophical proposals but, instead, describe some perplexities that I find worth reflecting and issues that I believe are pregnant for philosophical discussion. I find that the best way to convey my thoughts is to adopt a piecemeal approach. Three programs will be in my focus: reverse mathematics and its limitations in addressing some important issues of current mathematical practice, proof mining and a certain picture of mathematics that it is calling attention to, and the foundational implications of the set-theoretical work on large cardinals and determinacy. The problems and perplexities that I will address are rooted in trying to understand and bring attention to some salient features of modern mathematics.

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