

Faculdade de Ciências da Universidade de Lisboa
cmafcio@fc.ul.pt Tel. (+351) 21 750 00 27

SEMINÁRIO DE LÓGICA MATEMÁTICA

Dia 29 de Setembro (sexta-feira), às 15:00, sala 6.2.33

Continuous model theory and Banach space geometry: an introduction part 2

Alexander Usvyatsov
(Universidade de Lisboa, CMAFCIO)

Abstract:

These talks are intended as a soft and not too technical introduction to model theory of metric structures, including a short history and motivating questions, with a particular emphasis on fundamentals of continuous first order logic. I will also mention a few successful applications to Banach space theory, as well as more recent promising directions. In the second talk, I will formally define first-order continuous logic and discuss some basic properties. I also plan on introducing examples of continuous structures and theories: the Hilbert space, probability algebras, and, if time permits, the Hilbert space with a generic unitary operator. The second talk is essentially independent of the first.

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