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SEMINÁRIO DE LÓGICA MATEMÁTICA

Dia 6 de Outubro (sexta-feira), às 15:00, sala 6.2.33

Continuous model theory and Banach space geometry: an introduction part 3

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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 last talk, I will introduce examples of continuous structures and theories: the Hilbert space, probability algebras, and, if time permits, the Hilbert space with a generic unitary operator. Coming back to applications in Banach space geometry that I mentioned in the first lecture, I also hope to briefly discuss the concept of stability in continuous logic.

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