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# SEMINÁRIO DE LÓGICA MATEMÁTICA

Dia 2 de dezembro (sexta-feira), às 15H00, sala 6.2.33

## Topology of definable sets in products of definable group-intervals

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Abstract:

Eleftheriou, Peterzil and Ramakrishnan showed that definable groups in arbitrary o-minimal structures are definable in products of definable group-intervals. Thus understanding the topology of definable sets in products of definable group-intervals is crucial to complete our understanding of definable groups (in particular, by extending the proof of Pillay's conjecture to the general case). In this talk we will present a couple of results in this direction (joint work with Mamino, Prelli, Ramakrishnan and Terzo).

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Local: FCUL, C6 - Piso 2, 6.2.33