



**Mês de: MAIO 2012**

## **SEMINÁRIO DE TEORIA DOS MODELOS**

**Dia 24 de Maio (quinta-feira), às 15h, na Sala A2-25**

O-minimal Wilder's finiteness theorem

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**Abstract:**

We will present the proof of the o-minimal Wilder finiteness theorem saying that the o-minimal cohomology with coefficients in a finitely generated module over a noetherian ring is finitely generated. This applies to the o-minimal cohomology of definably compact definable groups in arbitrary o-minimal structures and to definably normal, definably compact definable spaces in o-minimal expansions of ordered groups. Similar results were only known in the affine case in o-minimal expansions of ordered groups (Berarducci-Otero (field case) and Berarducci-Fornansiero (non-field case)).

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