



**Mês de: Março 2011**

**SEMINÁRIO DE TEORIA DOS MODELOS**

**Dia 10 de Março (quinta-feira), às 15h, na Sala A2-25**

“Linearly extending partial orders in tame ordered structures”

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**Abstract:**

We show that partial orders definable in several "tame" ordered structures can be definably extended to linear orders. This holds for well-ordered structures and many variants of o-minimal structures. The particular case of partial orders on the natural numbers gives an infinite version of "topological sort" algorithms in computer science.

The structures examined in this talk should be of interest to a wide range of mathematicians, and many techniques used will be accessible to non-model-theorists.

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