



**Mês de:            Abril 2010**

## **SEMINÁRIO DE LÓGICA MATEMÁTICA**

**Dia 15 de Abril (quinta-feira), às 18h, na Sala 3-10**

“The geometries of the Hrushovski constructions”

***MARCO FERREIRA***

(East Anglia University, England)

**Abstract:**

In 1984 Zilber conjectured that any strongly minimal structure is geometrically equivalent to one of the following types of strongly minimal structures in the appropriate language: pure sets, vector spaces over a fixed division ring and algebraically closed fields. In 1993 Hrushovski produced a family of counter examples to the conjecture. Each one of these counter examples carry a geometry. We answer a question of Hrushovski about comparing these geometries and their localization to finite sets. We show that the geometries obtained are isomorphic to each other, in particular this proves that the counter-examples arising from Hrushovski's construction are geometrically equivalent to each other

Parcialmente suportado pela FCT ao abrigo do Financiamento Base