



**Mês de: Novembro 2009**

**SEMINÁRIO DE LÓGICA MATEMÁTICA**

**Dia 5 de Novembro (quinta-feira), às 18h, na Sala 3-10**

“Relative Geometric complexity and definable groups”

(Joint work with T. Blossier and F.O. Wagner)

***AMADOR MARTIN-PIZARRO***

(CNRS UNIVERSITE CLAUDE BERNARD LYON I)

**Abstract:**

Characterizations of the geometry of certain structures, such as 1-basedness, CM-triviality and flatness, played a crucial role in understanding partially the nature of definable groups and fields. We will introduce relative notions of the above to the set up of a theory with respect to a reduct that will generalize known results of definable groups in differentially closed fields as well as present a structural theorem for definable groups obtained in Hrushovski-Fraisse's amalgams.

Parcialmente suportado pela FCT ao abrigo do Financiamento Base-  
ISFL/1/209