



Mês de: Setembro 2009

SEMINÁRIO DE LÓGICA MATEMÁTICA

Dia 24 de Setembro, às 18h00 - IST Room 3-10

“Mann pairs”

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Abstract:

Let K be an ambient algebraically closed field. We first define what it means for a multiplicative subgroup G of K to have the Mann property. That diophantine property roughly states that G does not interact with the additive structure of the field too much. Then we introduce a subfield k of K and define a uniform version of Mann property with respect to k . The pair (k, G) is called a Mann pair whenever that condition holds. We shall present a large class of examples of Mann pairs; namely we shall show that (k, G) is a Mann pair when G is of finite rank and intersects k trivially. In the second part we prove that the triple (K, k, G) has good model theoretic properties whenever (k, G) is a Mann pair.