

# COLOQUIO PRØBEMOS



Seminario a cargo de  
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## *Bounding the number of affine roots using algebraic methods*

**ABSTRACT:** *We consider multivariate polynomials over arbitrary field, with a special interest in finite fields. We study the number of affine roots — with or without multiplicity. The methods used mainly rely on simple Gröbner basis theoretical tools.*

*Besides being of general mathematical interest the results have several applications/implications in areas such as coding theory and function field theory.*

**Fecha:** Martes 31 de mayo de 2016, a las 12:30 horas.

**Lugar:** **IMAC** (Seminario TI1329SD), ESTCE.

Universitat Jaume I de Castelló.

