



DEPARTAMENTO DE  
ÁLGEBRA



## Seminario de Geometría Algebraica

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### **“The convex hull of a variety”**

**Abstract:**

The boundary of the convex hull of a compact real affine variety is a hypersurface. I will present recent work with B. Sturmfels where we describe this hypersurface in terms of the dual variety of the affine variety. I shall also discuss a related natural conjecture on complex projective varieties that would lead to a simple proof of Severi's theorem.

**Jueves 4 de noviembre de 2010, a las 15.00 horas.**  
**Seminario 238**

**Facultad de Ciencias Matemáticas, UCM**