SEMINARIO IMAC DE
Estructuras Algebraicas y Teoría de Códigos Correctores de Errores

Conferencia a cargo de
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Hilbert depth of graded modules over polynomial rings

Abstract: Graded rings build an important research area within commutative algebra. In order to understand the dimension of such rings, a useful tool is the Hilbert series, together with all the invariants which can be deduced or associated to this series; in particular the *Hilbert depth* of a finitely generated graded module of the ring—a combinatorial invariant of the module close related to the celebrated Stanley depth, among other magnitudes.

In our talk we will discuss the concept of *Hilbert depth* of such modules over a graded polynomial ring as well as its computation. Moreover we will report on an unexpected relation to the theory of numerical semigroups.

Fecha: 7 de julio de 2015.
Hora: 11:00 AM.
Lugar: **IMAC** (*Seminario TI1329SD),* ESTCE,
Universitat Jaume I de Castelló.