

Algebraic Geometry/Commutative Algebra Seminar

Speaker: Gabrizio Zanello

The purpose of this talk is to present a new proof of the characterization of the h vectors of height 3 graded Gorenstein algebras. Ours is the first elementary proof of this classical result of Richard Stanley's, whose argument was based on a deep structure theorem of Buchsbaum and Eisenbud.

Reference:

--: "Stanley's theorem on codimension 3 Gorenstein h -vectors", Proc. AMS 134 (2006), no. 1, 5-8.