



Algebra and Number Theory Seminar

Title: The Intersection of Two Fermat Hypersurfaces in P^3 via Computation of Quotient Curves

Speaker: Vijay Singh (Sch. Math. Sci, UCD)

Date: Mon 9th November 2009 at 4:00PM

Location: Mathematical Sciences Seminar Room

Abstract: We study the complete intersection of two particular Fermat hypersurfaces in P^3 over a

finite

field. Using the Kani-Rosen decomposition we study arithmetic properties of this curve in terms of its quotients.