THE UNIVERSITY OF CHICAGO

Departments of Mathematics and Statistics

ALGEBRAIC GEOMETRY SEMINAR

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Asymptotic Syzygies of Algebraic Varieties

TUESDAY, April 23, 2013, from 4:30–6:00 PM
202 Eckhart Hall, 5734 S. University Avenue

ABSTRACT

We'll discuss my joint work with Rob Lazarsfeld and Daniel Erman. We study the asymptotic behaviors of the Betti table of the minimal resolution of the coordinate ring of a smooth projective variety, when it is embedded into the projective space by a linear system of the form $|dA + B|$ where A is an ample divisor and B is a fixed divisor and d is sufficiently large integer.