

ALGEBRAIC GEOMETRY AND COMMUTATIVE ALGEBRA SEMINAR

Speaker: Juliette Bruce
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Date: Wednesday, November 6, 2019

Time: 3:00 PM

Location: 258 Hurley Hall

Lecture Title:
Semi-Ample Asymptotic Syzygies

Abstract

I will discuss the asymptotic non-vanishing of syzygies for products of projective spaces, generalizing the monomial methods of Ein-Erman-Lazarsfeld. This provides the first example of how the asymptotic syzygies of a smooth projective variety whose embedding line bundle grows in a semi-ample fashion behave in nuanced and previously unseen ways.