

1052-13-337

Jennifer Biermann* (jbiermann@math.cornell.edu), 310 Malott Hall, Cornell University,
Ithaca, NY 14853. *Reverse Lex Ideals*.

In this talk, I will introduce the notion of reverse lex ideals in a polynomial ring, and compare their properties to those of lex ideals. In particular I provide an analogue of Green's Theorem for reverse lex ideals. I also compare the Betti numbers of Borel and square-free Borel monomial ideals to those of reverse lex ideals. (Received September 01, 2009)