
JAY YANG, University of Wisconsin - Madison
Syzygies of Random Monomial Ideals

I will discuss recent work joint with Daniel Erman on random Stanley-Reisner ideals. Our model for random monomial ideals is based on random flag complexes (as in Kahle's work). Using the Probabilistic Method, We then produce families of ideals exhibiting the asymptotic behaviour conjectured by Ein, Erman, and Lazarfeld.