

Algebraic Geometry Seminar

Big polynomial rings

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Abstract: I'll consider limits of polynomial rings, as the number of variables goes to infinity. I'll discuss the surprisingly simple structure of these limits and how this applies to some famous conjectures in algebraic geometry and commutative algebra, such as Stillman's Conjecture on projective dimension and Hartshorne's Conjecture on complete intersections. This is joint work with Steven Sam and Andrew Snowden.

Wednesday, September 12 at 4:00 PM in 427 SEO