

1087-13-191

**Sarah Mayes\*** ([mayess@umich.edu](mailto:mayess@umich.edu)). *The asymptotic behavior of generic initial systems.*

A "generic initial system" is a graded system of ideals consisting of the generic initial ideals of powers of a fixed homogeneous ideal. It turns out that the limiting behavior of the generic initial system can be extremely nice, even though its individual ideals have a complicated structure. The purpose of this talk will be to introduce generic initial systems, outline some related research questions, and provide answers to these questions for the case of complete intersections and ideals of points in the projective plane. (Received December 03, 2012)