

Meeting: 1004, Bowling Green, Kentucky, SS 15A, Special Session on Recent Advances in Noncommutative Algebra

1004-16-227 **Ellen Kirkman** (kirkman@wfu.edu), Department of Mathematics, P. O. Box 7388, Winston-Salem, NC 27106, and **James Kuzmanovich*** (kuz@wfu.edu), Department of Mathematics, P. O. Box 7388, Winston-Salem, NC 27106. *Fixed Rings of Artin-Schelter Regular Algebras*. Preliminary report.

Let G be a finite group of graded automorphisms of an Artin-Schelter regular algebra A . This talk will consider properties of the fixed ring of A under the action of G . Examples and questions will be given. (Received January 25, 2005)