

MATHEMATICS DEPARTMENT
North Carolina State University

ALGEBRA SEMINAR

Friday, October 5, 2007

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North Carolina State University

Unipotent quotients and \mathbb{A}^1 -contractibility

ABSTRACT: We report on the recent work of Asok, Doran and Kirwan on quotients of free actions of unipotent groups. These lead to examples of exotic \mathbb{A}^1 -contractible (non affine) quasi-affine varieties. This work is motivated by the topological result that for any $n > 3$, any open contractible (PL or smooth) n -manifold can be constructed as a quotient of \mathbb{R}^{n+1} by a free (PL or smooth) \mathbb{R} -action.

3:00 - 3:50 pm HA 335

Faculty and Students are invited to attend.