Algebra Seminar

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Tuesday, March 6, 2012
SN-1019, 1:00p.m.

Graded polynomial identities, group actions, Hopf module algebras, and exponential growth

Abstract:

We prove the analog of Amitsur's conjecture on asymptotic behavior for codimensions of different generalizations of polynomial identities, e.g. graded polynomial identities and G-identities for any finite not necessarily Abelian group G, and H-identities for finite dimensional associative algebras with an action of a finite dimensional semisimple Hopf algebra H.