Algebra Seminar

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Wednesday, September 23, 2015
1:00p.m., HH-3017

Graded Identities of
Simple Real Graded Division Algebras

Abstract:
Let A and B be finite dimensional simple real algebras with a division grading by a finite abelian group G. In this talk, we give necessary and sufficient conditions for the coincidence of the graded identities of A and B. For algebras over an algebraically closed field it is known that A and B satisfy the same graded identities if and only if they are isomorphic as graded algebras. This is a joint work with Professor Yuri Bahturin.