Algebra Seminar

Speaker:

Yuri Bahturin
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Wednesday, March 26
1:00 p.m., HH-3017

Classification of group gradings on nilpotent algebras

Abstract:

In our earlier talks we have shown how algebraic groups can be used to describe group gradings on certain nilpotent Lie algebras. In this talk, on the one hand, we would like to present the classification of these gradings, up to equivalence. We will also show that, on nilpotent algebras that are relatively free, some of these results can be obtained by much more elementary methods.