

Algebra Seminar

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Wednesday, September 19, 2012
1:00 p.m., HH-3017

Group gradings on nilpotent Lie algebras

Abstract:

In this talk we are going to show how some simple techniques from the theory of algebraic groups can be used to classify gradings by abelian groups on nilpotent Lie algebras. The presence of such gradings has consequences for the symmetric structures on the related homogeneous spaces.