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Alberto Elduque and **Mikhail Kochetov*** (mikhail@mun.ca), Department of Mathematics and Statistics, Memorial University, St. John's, NL A1C5S7, Canada. *Graded modules over simple Lie algebras with a group grading.*

In the past two decades there has been a considerable interest in describing all possible gradings by abelian groups on finite-dimensional simple Lie algebras over an algebraically closed field. In characteristic zero, the classification is essentially complete. We will discuss some recent results regarding the classification of G -gradings on finite-dimensional modules over a (semi)simple Lie algebra L equipped with a grading by an abelian group G . (Received August 11, 2015)