

Meeting: 1003, Atlanta, Georgia, SS 23A, AMS Special Session on Representations of Lie Algebras, I

1003-17-1439 **Daniel J. Britten*** (britten@windsor.ca), Department of Mathematica and Statistics,
Windsor, Ontario N9B 3P4, Canada, and **Frank Lemire** and **Christopher M. Tavolieri**. *On a
basis presentation of simple torsion free modules.*

Simple torsion free modules are one of the basic building blocks in the construction of simple modules with finite dimensional weight spaces but having no highest weight. Here, we consider a basis presentation of these modules, when the algebra is A_n , by modifying a Gel'fand-Cetlin basis and by modifying a Young tableaux basis.

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