

1142-17-225

Kayla Murray*, 5210 Grand Ave, P.O. Box 3649, Fort Smith, AR 72913-3649. *Graded Representations of Current Algebras.*

One motivation for studying graded representation of current algebras is the desire to understand irreducible representations for quantum affine Lie algebras. The representations of current algebras we will focus on are Chari-Venkatesh modules, which are associated to a partition. In the case of a simply laced Lie algebra, this family of modules includes both Demazure modules and local Weyl modules. In this talk, we will discuss what is known about the structure of these representations. (Received September 04, 2018)