

1135-17-242

Kayla Murray* (kmurr006@ucr.edu). *Graded Representations of Current Algebras.*

One motivation for studying graded representations of current algebras is the desire to understand irreducible representations for the quantum affine Lie algebras. I will focus on the indecomposable representations for current algebras associated to a partition, ξ , called $V(\xi)$, which were first defined by Chari and Venkatesh. I will explain what we currently know about the structure of these representations. (Received August 15, 2017)