

1040-17-151

Yuly Billig* (billig@math.carleton.ca), School of Mathematics and Statistics, Carleton University, 1125 Colonel By Drive, Ottawa, Ontario K1S 5B6, Canada. *Irreducible representations of extended affine Lie algebras.*

In this talk we describe the construction of irreducible modules for the extended affine Lie algebras. This construction is based on a realization of extended affine Lie algebras as twisted toroidal Lie algebras. We will illustrate our results with the example of the representation theory for the Jordan torus EALA. This talk is based on the joint work with Michael Lau. (Received January 30, 2008)