

1062-16-52

Akaki Tikaradze*, Department of mathematics, University of Toledo, 2801 W. Bancroft St., Toledo, OH 43606. *Irreducible representations of almost commutative algebras in positive characteristic.*

We will discuss Kac-Weisfeiler type statement for dimensions of irreducible representations of an almost commutative algebra in positive characteristic. It involves dimensions of symplectic leaves of the spectrum of the associated graded algebra. (Received July 20, 2010)