

1131-16-338 **Anne V. Shepler*** (ashepler@unt.edu). *Universal enveloping algebras of color Lie rings.*

We investigate some applications of deformation theory to color Lie rings, groups acting on quantum polynomial rings, graded affine Hecke algebras, and Poincaré-Birkhoff-Witt type theorems for quadratic algebras. (Received July 18, 2017)