

1137-16-40

Jason Gaddis* (gaddisj@miamioh.edu). *Isomorphisms of graded path algebras.*

By a result of Bell and Zhang, if two connected (\mathbb{N} -)graded algebras are isomorphic as algebras, then they are isomorphic as graded algebras. We extend this result to the case of path algebras with homogeneous relations and discuss its applications to the study of graded Calabi-Yau algebras. (Received January 18, 2018)