

1167-13-329

Austin Antoniou, Ranthony A.C. Edmonds* (edmonds.110@osu.edu), **Bethany Kubik, Christopher O’Neill** and **Shannon Talbott**. *Factorization in Numerical Semigroup Algebras*.

A numerical semigroup S is a subset of the nonnegative integers N that is closed under addition, has finite complement in N , and contains 0. In this talk, we discuss factorization in numerical semigroup algebras, and our initiation of the study of atomic density, an asymptotic measure of the proportion of irreducible elements in a given numerical semigroup algebra. (Received March 09, 2021)