

1158-08-205

Roberto Pelayo* (rcpelayo@uci.edu). *Visualization Methods for Numerical Semigroups.*

The study of numerical semigroups has benefited from a careful analysis of factorization quantities (e.g., delta set, ω -primality, elasticity) over a single semigroup and other invariants (e.g., Frobenius number, Apéry set) over a family of semigroups. Many of these results were motivated from a graphical analysis of these quantities and illustrate a general trend of eventual quasi-polynomial behavior. In this talk, we illustrate some of these graphical techniques and highlight general trends that have emerged from these investigations. (Received March 01, 2020)