1145-57-1045   **Katherine Walsh Hall*** (`katie.hall@uconn.edu`), Department of Mathematics, University of Connecticut, 341 Mansfield Rd, Storrs, CT 06269. *Patterns and Higher Order Stability in the Coefficients of the Colored Jones Polynomial.*

The colored Jones polynomial is a knot invariant that assigns to each knot a sequence of Laurent polynomials. For many families of knots, the coefficients of these polynomials are known to stabilize. We will discuss this stabilization as well as other patterns that arise in the coefficients. These patterns are related to some geometric properties of the knot including the hyperbolic volume. (Received September 18, 2018)