

1125-57-2200 **Katherine Walsh*** (k3walsh@math.arizona.edu). *Patterns and Stability in the Colored Jones Polynomial.*

The colored Jones polynomial assigns to each knot a sequence of Laurent polynomials. This talk will explain some of the patterns and stability in the coefficients of these polynomials. We will look at what knot information is encoded in various polynomials that appear in the higher order stable sequences. We will also explore how this stability relates to other stabilities in families of knots related to each other by adding twists. (Received September 19, 2016)