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June Huh, Jacob Matherne, Karola Meszaros and Avery St. Dizier*

(ajs624@cornell.edu). *Log-Concavity of Schur polynomials.*

We describe the Newton polytopes of Schur and Schubert polynomials. We then consider the distribution of the coefficients of such a polynomial relative to its Newton polytope. This leads to discrete and continuous log-concavity properties of Schur (and conjecturally Schubert) polynomials, coming from the recent theory of Lorentzian polynomials. (Received August 15, 2019)