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Lattice Polytopes arising from Schur Polynomials and Symmetric Grothendieck Polynomials.

A Newton polytope of a function f is the convex hull of the exponential vectors of f . We show that Newton polytopes of Schur polynomials have the Integer Decomposition Property and which Schur polynomials give rise to reflexive polytopes. Viewing Symmetric Grothendieck polynomials as a sum of Schur polynomials, we further show that Newton polytopes of Symmetric Grothendieck polynomials have the Integer Decomposition Property. (Received August 14, 2019)