

1110-05-217 **J. Haglund*** (jhaglund@math.upenn.edu). *Some new interpretations for the q, t -Schröder polynomial.* Preliminary report.

The q, t -Schröder polynomial describes the hook coefficients in the character of the space of diagonal harmonics, as a sum of simple powers of q, t over lattice paths. In this talk we introduce two other parameters, z, w , into this model, and discuss some of the multiple interpretations of the resulting four parameter function. Some involve Macdonald polynomials, and others are connected to the f -vector to h -vector transformation of the type A_{n-1} associahedron. Part of this is joint work with Jeff Remmel and Andy Wilson. (Received February 21, 2015)