1087-05-12 **Elizabeth Niese*** (niese@marshall.edu), Huntington, WV 25755. *Recursions for combinatorial Macdonald polynomials.*

The Hilbert series of the Garsia-Haiman module can be described combinatorially as the generating function of standard fillings of the Ferrers diagram of the indexing integer partition. One of the advantages of the combinatorial definition is that it is clear from this definition that the series is a polynomial with nonnegative integer coefficients. However, there are a large number of fillings needed to generate the polynomial, so it is desirable to find recursions to reduce the number of fillings under consideration. In this talk we present a recursion that is valid for partitions with two or three columns of equal height and a general strategy to extend the recursion to larger rectangles. (Received November 27, 2012)