1138-05-75 **Jim Haglund*** (jhaglund@math.upenn.edu), **Brendon Rhoades** and **Mark Shimozono**.

Macdonald Delta Operators when t=0.

The Delta Conjecture of the speaker, Remmel and Wilson gives a combinatorial description (involving two parameters q,t) of a symmetric function originally defined analytically using the Delta operator from Macdonald polynomial theory. This operator was introduced by Haiman in his study of the Hilbert scheme and the diagonal coinvariant ring. In a recent preprint Garsia, the speaker, Remmel and Yoo prove the special case of the Delta Conjecture when t=0. In this talk we show how their methods can be used to prove to prove a more general result, involving other symmetric functions defined using the Delta operator at t=0. We also give a new proof of their result. (Received January 30, 2018)