

1116-05-870

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Brendon Rhoades* (bprhoades@ucsd.edu) and **Andrew Timothy Wilson**
(atwilson@ucsd.edu). *Delta Conjectures and ordered set partition statistics.*

A famous result of MacMahon states that the major index and inversion count statistics share the same distribution on the set of permutations in the symmetric group S_n . We present a generalization of MacMahon's result to ordered set partitions. The Delta Conjectures are a family of conjectures due to Haglund, Remmel, and Wilson which generalize the famous Shuffle Conjecture of diagonal harmonics. As an application of our equidistribution results, we will prove a special case of the Delta Conjectures. (Received September 14, 2015)