

1102-05-200

**Sara Billey** and **Zachary Hamaker\***, Institute for Mathematics and its Application, University of Minnesota, 306 Lind Hall, 207 Church Street SE, Minneapolis, MN 55455, and **Austin Roberts** and **Benjamin Young**. *Insertion algorithms and Little maps*.

The Little map sends reduced decompositions of permutations to standard Young tableaux, bijectively realizing an algebraic approach to enumerating reduced decompositions. I will present joint work with Sara Billey, Austin Roberts and Benjamin Young wherein we demonstrate a Little map for signed permutations and characterize each map in terms of Edelman-Greene insertion and Kraskiewicz insertion, respectively. This leads to new insights about the insertion algorithms, previously conjectured by Thomas Lam. (Received July 28, 2014)