1070-05-206   **Tom Denton*** (`sdenton@math.ucdavis.edu`), 5 Baggins End, Davis, CA 95616. *Applications of Zero-Hecke Algebras.*

Recently the combinatorial nature of the representation theory of zero-Hecke algebras and related objects have been explored. I will discuss applications of these ideas in addressing and generalizing some well-known problems in algebraic combinatorics, such as pattern avoidance. (Received February 11, 2011)