

1106-05-2745 **Samuel Clearman*** (sam@samclearman.com), Dept of Mathematics, 14 E. Packer Ave,
Bethlehem, PA 18015. *Combinatorial evaluation of Hecke algebra characters.*

Iwahori-Hecke algebras are deformation algebras of Coxeter groups. Their representation theory has been found to have connections to topics as diverse as quantum groups, total positivity, and chromatic polynomials. We give combinatorial formulae for the evaluation of certain characters on Kazhdan-Lusztig basis elements and applications. (Received September 16, 2014)