Unique Functionals and Representations of Hecke Algebras
Benjamin Brubaker, Massachusetts Institute of Technology and University of Minnesota

In recent papers with Bump, Friedberg, and Licata, we've looked to explain how certain natural representations of the affine Hecke algebra arise from unique functionals on corresponding principal series representations of groups over local fields. We use these explicit isomorphisms of Hecke modules to give recursive formulas for certain matrix coefficients.