

Lattice methods for algebraic modular forms on orthogonal groups.

John Voight, Dartmouth College

We explain how lattice methods can be used to compute systems of Hecke eigenvalues associated to automorphic forms on definite orthogonal groups, and we discuss the computational problems that arise. (This is joint work in part with Matthew Greenberg and with Jeffery Hein and Gonzalo Tornaria.)