
ANDREW KNIGHTLY, University of Maine

The local equidistribution problem for Siegel modular forms

For a fixed prime p , the p -th Hecke eigenvalues of $GL(2)$ cusp forms of weight k and level N , when given certain natural harmonic weights, become equidistributed relative to the Sato-Tate measure as $N+k$ goes to infinity. In joint work with Charles Li we prove an extension of this result to the symplectic group $GSp(2n)$. The proof involves an asymptotic Petersson trace formula.