
ALIA HAMIEH, UNBC

Value-Distribution of Logarithmic Derivatives of Quadratic Twists of Automorphic L -functions

In this talk, I report on an ongoing work with Amir Akbary in which we study the distribution of values of the logarithmic derivative of quadratic twists of the L -function of a fixed automorphic representation π on GL_d for any $d \in \mathbb{N}$. We establish an upper bound on the discrepancy in the convergence of the family $\frac{L'}{L}(1+it, \pi \times \chi_D)$ (with fixed π and t) to its limiting distribution.