ALLYSA LUMLEY, CRM

Distribution of Values of L-functions over Function Fields

Let $q \equiv 1 \pmod 4$ be a prime power. Consider D to be a square-free monic polynomial over $\mathbb{F}_q[T]$ and χ_D the Kronecker symbol associated to D. In this talk we will discuss the distribution of large values for $L(\sigma, \chi_D)$ for $1/2 < \sigma \leq 1$. We will note the expected similarities to the situation over quadratic extensions of $\mathbb{Q}$ and the surprising differences.