Lethbridge Number Theory and Combinatorics Seminar

Monday — November 18, 2019 Room: C630 Time: 12:00 to 12:50 p.m.

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Distribution of Values of L-functions over Function Fields

Let $q\equiv 1\pmod 4$ be a prime power and \mathbb{F}_q be the finite field with q elements. Let $1/2<\sigma<1$ be fixed. We consider D a monic square-free polynomial in $\mathbb{F}_q[T]$ and χ_D the Kronecker symbol associated with D. In this talk, we will discuss the distribution of large values of $\log L(\sigma,\chi_D)$ with D varying over monic square-free polynomials with degree $n\to\infty$. We will highlight the expected similarities to the situation over quadratic extensions of $\mathbb Q$ as well as the surprising differences.

EVERYONE IS WELCOME!

Visit the seminar web page at http://www.cs.uleth.ca/~nathanng/ntcoseminar/

