

Exposé court

154 *Races of irreducible monic polynomials over function fields*

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Chebyshev noticed in 1853 that there is a predominance, for “most” real numbers $x \geq 2$, of the number of primes $\leq x$ and congruent to 3 modulo 4 over primes $\leq x$ and congruent to 1 modulo 4. Since then, several generalizations of this phenomenon have been studied, notably in the case of prime number races with three or more competitors by Y. Lamzouri. In this talk, I will present results related to the generalization of Y. Lamzouri's work in the context of polynomial rings over finite fields. I will also discuss results concerning races of irreducible monic polynomials involving two competitors. In particular, I will give examples where the races in the function field setting behave differently than in the number field setting.