

Online Number Theory Seminar

27 September 2024. – 17:00-17:50

M. Sha: Counting integer polynomials with several roots of maximal modulus

In this talk, I will present some estimates on the cardinality of the set of monic integer polynomials of degree n and height bounded by H with exactly k roots of maximal modulus. These include lower and upper bounds and some asymptotic formulas. Moreover, we also count reducible and irreducible polynomials in that set separately. This is joint work with A. Dubickas.