

Exposé court

60 *Counting reciprocal Littlewood polynomials with square discriminant*

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A Littlewood polynomial is a single-variable polynomial all of whose coefficients lie in $\{\pm 1\}$. It is reciprocal if its list of coefficients forms a palindrome. We establish the leading term asymptotics of the probability that a random reciprocal Littlewood polynomial has square discriminant. This relates to a bounded-height analogue of the Van der Waerden conjecture on Galois groups of random polynomials.