BERNOULLIS TAFELRUNDE

MATH STUDENT AND PhD SEMINAR

Tuesday, 05 November 2024, 12:15 - 13:00
Seminar Room 00.003, Spiegelgasse 1

TOBIAS BISANG

Universität Basel

Zeroes of Polynomials in $\mathbb{Q}^n$

ABSTRACT

Given some $\mathbb{Q}$-polynomials, do they have a common zero in $\mathbb{Q}^n$? This talks shows how to check this for simple polynomials, using the p-adic norms and the Hasse-Minkowski theorem. The question is harder to answer for elliptic curves which provides motivation to study them.