Mathematics and CS Seminar

Representing norms by polynomials on average

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Host: Timothy Browning

Fix any integer d>1, a quadratic extension of the rationals and let N denote its norm. For an integer polynomial f of degree d consider the generalised Chatelet surface X_f: N(x,y)=f(t). In joint work with A. Skorobogatov we prove that for 100% of all integer polynomials (ordered by the size of coefficients) the surface X_f has a rational point.

Thursday, December 12, 2019 11:30am - 12:30pm

IST Austria Campus Heinzel Seminar Room / Office Bldg West (I21.EG.101)

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