Séminaire de théorie des nombres

Le 14 novembre 2011 à 14h

Rational points on a certain intersection of two quadrics

Exposé de Daniel Loughran (University of Bristol)

Résumé : In this talk we count the number of rational points of bounded height on a certain intersection of two quadrics in five variables. The corresponding variety is a singular del Pezzo surface of degree four, and the results we obtain are in line with Manin's conjectures on the number of rational points of bounded height on projective varieties.