Séminaire de théorie des nombres

Le 20 juin 2016 à 14h (Jussieu)

Statistics for the number of points on biquadratic curves over finite fields

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Résumé :

A basic question about a curve over a finite field is how many points it has, and for a family of curves one can study the distribution of this statistic. We will give concrete examples of families in which this distribution is known or predicted, and compute the distribution law for the concrete family of biquadratic curves.