Séminaire de théorie des nombres

Le 24 février 2020 à 14h (Jussieu)

Effective relative Manin-Mumford for curves in families of multiplicative extensions of an elliptic curve

Exposé de Gareth Jones
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Résumé : I will discuss joint work with Harry Schmidt in which we give an effective version of a result of Bertrand, Masser, Pillay and Zannier on curves in families of multiplicative extensions of an elliptic curve. In certain cases we obtain extra uniformity. The methods involve pfaffian functions. In particular, previous work with Schmidt on pfaffian definitions of elliptic functions plays a key role.