

Séminaire de théorie des nombres

Le 03 juin 2019 à 14h (Jussieu)

Campana orbifolds : a new arithmetic playground

Exposé de **Tim Browning**
(IST Austria)

Résumé : Initiated in 1770, Waring's problem concerns how many ways a positive integer can be represented as a sum of powers. Using breakthrough work of Bourgain-Demeter-Guth and Wooley we can study this problem in considerable generality and apply it to study Campana points on certain higher-dimensional orbifolds. These points acts as a kind of bridge between the theory of rational and integral points on algebraic varieties. This is joint work with Shuntaro Yamagishi.