

Séminaire de théorie des nombres

Le 16 mai 2011 à 14h (à Chevaleret)

Preperiodic points of algebraic dynamics and Calabi–Yau theorem

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Résumé : We study preperiodic points of polarized algebraic dynamical systems using canonical heights. In particular, we prove the rigidity of the set of preperiodic points. The proof uses equidistribution of small points and a non-archimedean analogue of the Calabi–Yau theorem. It is joint work with Shou-wu Zhang.