Séminaire de théorie des nombres Londres-Paris

Le 21 novembre 2011 à 15h30 (Jussieu 15-25-104)

Distribution of orbits on nilmanifolds and applications

Exposé de Ben Green (University of Cambridge)

Résumé : A nilmanifold is a quotient G/Γ , where G is a nilpotent Lie group and Γ is a lattice inside it. I will discuss some results on the distribution of orbits on nilmanifolds, and indicate what applications this has in additive combinatorics. Joint work with Terry Tao.