

Séminaire de théorie des nombres

Le 07 mars 2022 à 14h (PRG)

Counting rational points and lower bounds for Galois orbits of special points on Shimura varieties

Exposé de Harry Schmidt
(University of Basel)

Résumé : In this talk I will briefly explain the history of the André-Oort conjecture and its resolution last year after the final steps were made in work of Pila, Shankar, Tsimerman, Esnault and Groechenig as well as Binyamini, Yafaev and myself. I will explain the main innovations in our paper which rely on techniques from transcendental number theory and are inspired by model theoretic questions.