

Online Number Theory Seminar

21 June 2024. – 17:00-17:50

G. Walsh: Solving problems of Erdős using elliptic curves and an elliptic curve analogue of the Ankeny-Artin-Chowla conjecture

We describe how the Mordell-Weil group of rational points on a certain families of elliptic curves give rise to solutions to conjectures of Erdős on powerful numbers, and state a related conjecture, which can be viewed as an elliptic curve analogue of the Ankeny-Artin-Chowla Conjecture.