



Algebra and Number Theory Seminar

Title: Integrality of twisted L-values of elliptic curves

Speaker: Chris Wuthrich (Nottingham)

Date: Thu 12th November 2020 at 2:00PM

Location: Online

Abstract: In the context of the generalised Birch and Swinnerton-Dyer conjecture, one considers the value at $s = 1$ of the L-function of an elliptic curve E/Q twisted by a Dirichlet character χ . When normalised with a period, one obtains an algebraic number $L(E, \chi)$. In joint work with Hanneke Wiersema, we determine under what conditions $L(E, \chi)$ is an algebraic integer.

https://maths.ucd.ie/kazim_b/UCD_ANT_seminar.html