Seminar/Talk

Transcendental Brauer—Manin obstructions on singular K3 surfaces

Rachel Newton

King`s College London

Host: Tim Browning

Let E and E′ be elliptic curves over Q with complex multiplication by the ring of integers of an imaginary quadratic field K and let Y = Kum(E×E′) be the minimal desingularisation of the quotient of E×E′ by the action of −1. We study the Brauer groups of such surfaces Y and use them to furnish new examples of transcendental Brauer–Manin obstructions to weak approximation. This is joint work with Mohamed Alaa Tawfik.

Thursday, November 14, 2024 01:00pm - 03:00pm

Office Bldg West / Ground floor / Heinzel Seminar Room (I21.EG.101)

This invitation is valid as a ticket for the ISTA Shuttle from and to Heiligenstadt Station. Please find a schedule of the ISTA Shuttle on our webpage: https://ista.ac.at/en/campus/how-to-get-here/ The ISTA Shuttle bus is marked ISTA Shuttle (#142) and has the Institute Logo printed on the side.

www.ista.ac.at | Institute of Science and Technology Austria | Am Campus 1 | 3400 Klosterneuburg