

Number Theory Days 2017

Saturday June 3rd, 2017 at

Dinakar Ramakrishnan (Caltech)

Rational Points on Picard modular surfaces, and non-vanishing of L-values.

This talk will describe ongoing joint work, and some progress, with M. Dimitrov on the expected paucity of rational points on Picard modular surfaces of large level. There is an analytic component which involves non-vanishing of L-values and a geometric component involving intersections.

