

ON THE TOP-WEIGHT RATIONAL COHOMOLOGY OF A_g (PART 1)

Speaker: Juliette Bruce
UC Berkeley

Time: Thursday, June. 10th, 09:30-10:30 (GMT+8)

Venue: Zoom Meeting Id:840 0465 8756, Password: 235711

Abstract: I will discuss recent work calculating the top weight cohomology of the moduli space \mathcal{A}_g of principally polarized abelian varieties of dimension g for small values of g . The key idea is that this piece of cohomology is encoded combinatorially via the relationship between the boundary complex of a compactification of \mathcal{A}_g and the moduli space of tropical abelian varieties. This is joint work with Madeline Brandt, Melody Chan, Margarida Melo, Gwyneth Moreland, and Corey Wolfe.