Mathematics, Statistics, and Computer Science   **@ UIC**

Algebraic Geometry Seminar

Top Weight Cohomology of A_g

Madeline Brandt (Brown University)

Abstract: I will discuss an active project in computing the top weight cohomology of the moduli space A_g of principally polarized abelian varieties of dimension g for small values of g. This piece of the cohomology is controlled by the combinatorics of the boundary strata of a compactification of A_g. Thus, it can be computed combinatorially. This is joint work with Juliette Bruce, Melody Chan, Margarida Melo, Gwyneth Moreland, and Corey Wolfe.

Monday, October 26 at 4:00 PM in Zoom