

1167-14-11

**Juliette Bruce\*** ([juliette.bruce@berkeley.edu](mailto:juliette.bruce@berkeley.edu)). *The top weight cohomology of  $\mathcal{A}_g$ .*

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 via a combinatorial defined chain complex arising from the moduli space of tropical abelian varieties. This is joint work with Madeline Brandt, Melody Chan, Margarida Melo, Gwyneth Moreland, and Corey Wolfe. (Received January 13, 2021)