The equivariant Euler characteristic of $\mathcal{A}_3[2]$

JONAS BERGSTRÖM AND OLOF BERGVALL

Abstract. We compute the weighted Euler characteristic, equivariant with respect to the action of the symplectic group of degree six over the field of two elements, of the moduli space of principally polarized Abelian threefolds together with a level two structure.

Mathematics Subject Classification (2010): 14K10 (primary); 14H10, 14D22, 14F20, 14F40 (secondary).