

Séminaire d'algèbre, topologie et géométrie
Jeudi 5 décembre à 14h
Salle I

David Alfaya

Madrid

Automorphism group of a moduli space of framed bundles over a curve

Let X be a smooth complex projective curve and let $x \in X$ be a point. We compute the automorphism group of the moduli space of framed vector bundles on X with a framing over x . It is shown that this group is generated by pullbacks using automorphisms of the curve X that fix the marked point x , tensorization with certain line bundles over X and the action of $\mathrm{PGL}_r(\mathbb{C})$ by composition with the framing. A Torelli theorem for framed bundles with a generic stability parameter is also proved. Joint work with Indranil Biswas.