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

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Abstract-

Let X be a smooth complex projective curve, and let x∈Xx∈X be a point. We compute the automorphism group of the moduli space of framed vector bundles on X of rank r≥2r≥2 with a framing over x. It is shown that this automorphism group is generated by the following three: (1) pullbacks using automorphisms of the curve X that fix the marked point x, (2) tensorization with certain line bundles over X and (3) the action of PGLr(C)PGLr(C) through composition with the framing.

Index Terms-

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