Séminaire d'algèbre, topologie et géométrie
Jeudi 20 juin à 14h
Salle I

David Alfaya

Madrid

Automorphism group of the moduli space of parabolic vector bundles

We find the automorphism group of the moduli space of parabolic bundles on a smooth curve (with fixed determinant and system of weights). This group is generated by : automorphisms of the marked curve, tensoring with a line bundle, taking the dual, and Hecke transforms (using the filtrations given by the parabolic structure). A Torelli theorem for parabolic bundles with arbitrary rank and generic weights is also obtained. These results are extended to the classification of birational equivalences which are defined over "big" open subsets (3-birational maps). Joint work with Tomas Gómez.