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Dynamics on Character Varieties and Quasi-Fuchsian Representations

I will survey recent results concerning the dynamics of the mapping class group of the four punctured sphere \mathbb{S}_4^2 on the character variety, i.e., on the space of conjugacy classes of representations of the fundamental group of \mathbb{S}_4^2 into $SL_2(\mathbb{C})$. Using tools from holomorphic dynamics one can study orbits of this action and get a new viewpoint on the set of quasi-fuchsian representations.