

1135-57-2714

Leona Sparaco* (leona.sparaco@scranton.edu). *Character Varieties of a Family of Two-Component Links*. Preliminary report.

Let M be a finite volume orientable hyperbolic manifold. The $SL_2(\mathbb{C})$ character variety of M is essentially the set of all representations $\rho : \pi_1(M) \rightarrow SL_2(\mathbb{C})$ up to trace equivalence. This algebraic set is related to many geometric properties of the manifold M . In this talk we will look at the character varieties of a family of two-component links. (Received September 26, 2017)