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**Ajeet S Gary\*** (agary@terpmail.umd.edu). *Dynamics on the Character Variety of the Fricke Spaces of Surfaces on Two Generators.*

We are interested in the Fricke spaces of certain orientable surfaces with fundamental group rank two. They can be expressed using character varieties, representations as triples that comprise a certain family of cubic surfaces. We investigate the dynamics of the mapping class group action on the Fricke space as polynomial automorphisms of the surface, specifically ergodicity and a particularly interesting wandering domain. (Received September 16, 2018)