1021-14-23 **Sean Lawton*** (slawton@math.ksu.edu), Mathematics Department, Kansas State University, 125 Cardell Hall, Manhattan, KS. *On the Moduli of* $\mathrm{SL}(3,\mathbb{C})$*-Bundles over a Surface of Euler Characteristic -1.*

The moduli space of flat $\mathrm{SL}(3,\mathbb{C})$-bundles over a punctured surface is described by representations of the fundamental group of the surface. There is an algebro-geometric quotient called the character variety which parameterizes the bundles with completely reducible holonomy. For Euler characteristic -1 surfaces, we describe the character variety explicitly, and work out its symmetry. (Received August 07, 2006)