

1129-14-30

Sean Lawton* (slawton3@gmu.edu), George Mason University, Department of Mathematical Sciences, 4400 University Dr, Fairfax, VA 22030. *Compactification of Character Varieties*. Preliminary report.

In this talk we will first discuss a general procedure for compactifying G -character varieties of discrete groups, where G is a semisimple algebraic group of adjoint type over an algebraically closed field. We will then discuss various properties of this compactification in special cases of the discrete group. This work is in collaboration with Dan Ramras and Indranil Biswas. (Received January 24, 2017)