

ADHM sheaf, Hitchin moduli and character variety

Wu-yen Chuang

Department of Mathematics,
National Taiwan University,
Taiwan

Abstract. I will introduce my work on ADHM sheaf theory and its relation with the works by Hausel, Rodrigues-Villegas and de Cataldo, Hausal, Migliorini on the perverse filtration of the Hitchin moduli and the weight filtration of the character variety.
