1125-14-1553   **Han-Bom Moon*** (`hmoon8@fordham.edu`) and **Sang-Bum Yoo**. *Classical invariant theory and birational geometry of moduli spaces of parabolic bundles.*

Invariant theory is the study of the invariant subring of a given ring equipped with a group action. Describing the invariant subring was one of the central mathematical problems in the 19th century and many great algebraists such as Cayley, Clebsch, Hilbert, and Weyl had contributed to it. Still invariant theory is an active part of modern algebraic geometry, and one reason is that there are many interesting connections between invariant theory and modern birational geometry of moduli spaces. In this talk I will explain a concrete example of this connection, in the case of the moduli space of parabolic vector bundles on the projective line. (Received September 17, 2016)