



Algebra/Topology Seminar

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G -BUNDLES OVER DEDEKIND SCHEMES

Thursday, October 20, 2011

1:15 p.m. in ES-146

(tea & coffee at 12:45 a.m. in ES-152)

ABSTRACT. We will review some of the back-story of the “Tannakian formalism” relating G -bundles and the category of finite-rank representations of G , for an algebraic group G over a field. We will then report on recent work of extending this story to the more general setting of an algebraic group over a Dedekind scheme and an application to constructing the moduli of G -bundles over a proper, smooth curve.