Abstract

Here we will introduce projective spaces, projective varieties, line bundles and vector bundles on these projective varieties. Introduce the concept of Principal bundles and induced bundles under group homomorphisms.

Will also discuss the relation between vector bundles and "topological covering spaces". If time permits we will also introduce the notion of semistabilty and use the "low height representations" to conclude some results on the semistability of the induced bundles.