

Queen's Algebraic Geometry — Seminar —

BOREL-WEIL-BOTT THEOREM FOR DIAGONAL IND-GROUPS

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Abstract

I will explain how one can extend the setting of the classical Borel-Weil-Bott theorem to infinite dimensional algebraic groups and what the difficulties of the new problem are. Then I will show how for a very natural class of groups one can prove a very close analog of the classical Borel-Weil-Bott theorem. I will also discuss briefly the case of general locally simple infinite dimensional groups.

Monday, September 28, 2009
4:30pm – 5:30pm
319 Jeffery Hall