

1069-14-108

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Michael Joyce. *A Kostant-Macdonald identity for special SL_n orbits in complete quadrics.*

After reviewing properties of the variety of complete quadrics we will extend the work of Akyildiz and Carrell on the cohomology of flag varieties to the special SL_n orbit closures. In particular we will prove a Kostant-Macdonald identity for the Poincare polynomials of the special orbits. If time permits we will talk about combinatorics of the Borel orbits in complete quadrics. (Received January 18, 2011)