

ON GENERIC FLAG VARIETIES FOR ODD SPIN GROUPS

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Abstract: For the spin group $G = \mathrm{Spin}_{2n+1}$ with arbitrary n , a generic G -torsor E over a field, and a parabolic subgroup $P \subset G$, we consider the generic flag variety E/P and describe its Chow ring modulo torsion. This description determines the index of E/P , completing results of [3], where the index has been determined for most P .

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Key words: quadratic forms over fields, algebraic groups, spin groups, torsors, classifying spaces, Chow groups.