

A GENERALIZATION OF THE BRUHAT DECOMPOSITION  
Jacopo Gandini

Let  $G$  be a connected reductive algebraic group and let  $B$  be a Borel subgroup of  $G$ , then  $B$  acts with finitely many orbits on the flag variety  $G/B$ , and the orbits are parametrized by the Weyl group of  $G$ . If  $H$  is a subgroup of  $B$  which still acts on  $G/B$  with finitely many orbits, I will explain how to parametrize the  $H$ -orbits on  $G/B$ , and will give canonical representatives which allow to easily read off the action of the Weyl group on the set of  $H$ -orbits which was defined by Knop for general spherical subgroups. This is joint work with Guido Pezzini.