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Quotients of symmetric varieties

In the talk I am going to report on joint work with Andrea Maffei.

Let k be an algebraically closed field of characteristic not 2. Let G be a semisimple group defied over k and $H \subset G$ the fixpoints of an involution (or a subgroup isogenous to H). We are going to study the action of H on embeddings of G/H from the point of view of geometric invariant theory.