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Lagrangian correspondences in Schubert calculus

Given a reductive algebraic group G , it is a natural question to consider the inclusions of partial flag varieties H/Q into G/P and their pullbacks in equivariant cohomology, in terms of Schubert classes. We look at the case of the symplectic and usual Grassmannian, and describe a generalized construction involving Maulik-Okounkov classes and cotangent bundles of the Grassmannians, with Lagrangian correspondences playing a key role. This is joint work with Allen Knutson and Paul Zinn-Justin.