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Type C Degeneracy Loci

The classical problem of finding formulas for Schubert varieties in Grassmannians and flag varieties is well known. In type C these come from a vector space with a symplectic bilinear form. In algebraic geometry the natural setting replaces the vector space with a vector bundle, with the symplectic form taking values in a line bundle. This talk will describe work of several mathematicians during the last few decades, including some recent joint work with Dave Anderson.