

Equivariant jeu de taquin and eigenvalues of Hermitian matrices

Alexander Yong, University of Illinois at Urbana-Champaign

I will discuss an analogue, for equivariant Schubert calculus, of Marcel-Paul Schutzenberger's theory of jeu de taquin. This is developed jointly with Hugh Thomas (University of New Brunswick). I will then present an application, found together with David Anderson (Institut de Mathematiques de Jussieu) and Edward Richmond (University of British Columbia). We reinterpret a result of Shmuel Friedland on eigenvalues of Hermitian matrices.