

1138-05-261

Brendan Pawlowski and **Brendon Rhoades*** (bprhoades@math.ucsd.edu). *Delta Schubert calculus.*

We describe a variety $X_{n,k}$ which depends on two positive integers $k \leq n$. When $k = n$ our variety $X_{n,k}$ is homotopy equivalent to the space $\mathcal{Fl}(n)$ of complete flags in \mathbb{C}^n . Our variety $X_{n,k}$ is related to the Delta Conjecture in the same way that the flag variety is related to the Shuffle Theorem. We will describe the extension (and non-extension) of various results in Schubert calculus to $X_{n,k}$. (Received February 11, 2018)