

1146-22-508

William Graham* (wag@uga.edu) and **Victor Kreiman**. *Equivariant K -theory and tangent spaces to Schubert varieties.*

Let X be the flag variety of a semisimple algebraic group G with maximal torus T . Each Schubert variety in X defines a class in the equivariant K -theory of X . The geometry of the Schubert varieties in X has long been known to be closely connected to the pullbacks of these classes to T -fixed points in X . In this talk we will discuss some relations between these pullbacks and the weights of the tangent spaces of the Schubert varieties. (Received January 29, 2019)