

1077-20-1597 **Chuck Hague*** (hague@math.udel.edu). *Algebraic Frobenius splitting of bundles on flag varieties*. Preliminary report.

The program of algebraic Frobenius splitting was begun by Kumar and Littelmann to prove Frobenius splitting results on various varieties associated to linear algebraic groups (flag varieties, Schubert varieties, etc) by using purely representation-theoretic and algebraic techniques. In this talk we consider further applications of algebraic Frobenius splitting. (Received September 20, 2011)