AJNEET DHILLON, University of Western Ontario

The motive of BG.

Given an algebraic stack stratified by quotient stacks one can define a class in the dimensional completion of the K-ring of varieties. Let $G$ be a linear algebraic group. One can ask if it is the case that the class of $G$ is the inverse of the class of $BG$ in this ring. In this talk we will discuss some results by Bergh, Pirsi, Scavia, Talpo, Vistoli and Young pertaining to this question.