
KAI BEHREND, UBC

The motivic weight of the stack of bundles

I will talk about a new approach to computing the motivic weight of the stack of G -bundles on a curve. The idea is to associate a motivic weight to certain ind-schemes, such as the affine Grassmannian and the scheme of maps $X \rightarrow G$, where X is an affine curve, using Bittner's calculus of 6 operations. I hope that this will eventually lead to a proof of a conjectural formula for the motivic weight of the stack of bundles in terms of special values of Kapranov's zeta function.