AJNEET DHILLON, University of Western Ontario

Root stacks and K-theory

There is a parabolic-orbifold correspondence between vector bundles a root stack and vector bundles with a parabolic structure. It can be used to describe the algebraic K-theory of the root stack. In certain instances the root stack is in fact a quotient stack. Combining these results we obtain a top-up description of equivariant algebraic K-theory.