Geometric symmetric powers of motivic spaces

Joe Palacios Baldeón

University of Liverpool

Geometric symmetric powers of motivic spaces are constructed via left Kan extensions of symmetric powers of quasi-projective schemes. A lambda-structure on a category is a categorical version of a lambda-structure on a commutative ring. In my talk, I will explain how geometric symmetric powers provide a lambda-structure on the (unstable) motivic homotopy category constructed by Morel and Voevodsky.