

1139-14-360

Richard Rimanyi* (rimaryi@email.unc.edu). *On Chern-Schwartz-MacPherson and motivic Chern classes of singularities.*

We will review a new approach to cohomological and K-theoretic characteristic classes of singularities. This new point of view is inspired by a quantum algebraic notion called ‘stable envelope’ introduced by Maulik and Okounkov. As a result, the characteristic classes named in the title are now computable for a wide range of quiver orbits and contact singularities. (Received February 16, 2018)