Speaker: Claudiu Raicu
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Wednesday, September 3, 2014
3:00 PM
258 Hurley Hall

Title: Characters of equivariant D-modules on Veronese cones

Abstract:

Equivariant local systems on orbits of a group action give rise via the Riemann-Hilbert correspondence to equivariant D-modules, which are typically hard to describe. I will explain how to compute explicitly the characters of the GL-equivariant D-modules supported on the Veronese cones. In particular, I will appeal to recent results of de Cataldo, Migliorini and Mustaţă on the Decomposition Theorem for toric maps, and show how representation theoretic stabilization results are used in a crucial way in the calculation.