Algebra/Topology Seminar

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Formal Affine Demazure Algebra and Its Dual — Part 1

Thursday, October 22, 2015
1:15 p.m. in ES-143

Abstract. I will recall the notions of oriented cohomology and of equivariant cohomology. Then I will recall Kostant-Kumar's work on the algebraic construction of equivariant singular cohomology and equivariant Grothendieck group of complete flag varieties. They defined the so-called nil-Hecke algebra and 0-Hecke algebra. I will also introduce the formal group algebra which is the algebraic replacement of T-equivariant cohomology of a point. I will also define the formal affine Demazure algebra.