

Northeastern University



Mathematics Department

Geometry, Physics, and Representation Theory Seminar

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Thursday, September 12, 2:50-3:50 pm, Lake Hall 509

Bruhat Atlas on Stratified Manifolds in Coordinates

Abstract

A stratified smooth variety M admits a Bruhat atlas if it can be covered by open charts isomorphic to opposite Bruhat cells in some Kac–Moody flag manifold via stratified isomorphisms. In this talk, I will present two cases where the Kac–Moody is finite or affine type, which allows explicit computation in coordinates using Bott–Samelson maps and other familiar techniques in Schubert calculus.