

1155-14-150

Daoji Huang*, 310 Malott Hall, Cornell University, Ithaca, NY 14853. *Bruhat Atlases in Coordinates.*

A stratified smooth variety 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 a Bruhat atlas on the wonderful compactification of a symmetric space where the modelling flag manifold is finite type, which allows explicit computation in coordinates using Bott-Samelson maps and other familiar techniques in studying geometry of flag varieties. (Received January 09, 2020)