

Northeastern University



Mathematics Department

Geometry, Physics, and Representation Theory Seminar

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CMSA

Thursday, February 6, 2:50-3:50 pm, Lake Hall 509

Hausel-Proudfoot varieties

Abstract

Hausel-Proudfoot varieties are a family of spaces attached to a graph, which behave in many ways like the moduli of local systems or higgs bundles on a Riemann surface. I will give an overview of recent work on their cohomology and their p-adic volumes, joint with Z. Dancso and V. Shende on the one hand and M. Groechenig on the other.