

Geometry, Physics, and Representation Theory
Northeastern University

Vasily Krylov
Higher School of Economics, Moscow

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

**On isomorphisms between quiver varieties of type A
and slices in the affine Grassmannian.**

Abstract

In my talk, I will discuss isomorphisms between quiver varieties of type A and transversal slices in the affine Grassmannian for GL_d . Such an isomorphism was first constructed by Mirković and Vybornov. Their proof and construction are rather combinatorial. We will explain a geometric construction of isomorphisms between quiver varieties and transversal slices that follows by combining ideas of Braverman-Finkelberg and Nakajima. We will compute these geometric isomorphisms and time permitting explain why they coincide with Mirković-Vybornov's.