

CLUSTER ALGEBRAS SEMINAR

Speaker: Dylan Rupel
University of Notre Dame

Date: Monday, September 11, 2017

Time: 4:00 PM

Location: 258 Hurley Hall



Lecture Title:

Introduction to Kac-Moody Groups, Part II

Abstract

This is the second of a series of talks aimed at understanding Kac-Moody groups, their double Bruhat cells, and the cluster structures present on their coordinate rings. Last week we saw motivation for studying double Bruhat cells in $GL_n(\mathbb{R})$ coming from the theory of totally positive matrices. Today we will see another motivation for the study of double Bruhat cells, namely the factorization problem for simple algebraic groups. In this talk we will see the main features and computational tools one would like to extend to the Kac-Moody setting.