

GRADUATE STUDENT SEMINAR

Guest Speaker: Misha Gekhtman

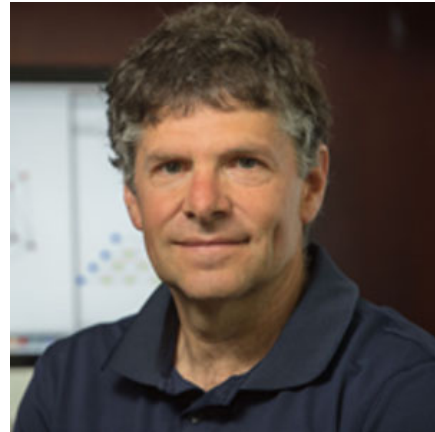
University of Notre Dame

Date: Monday, April 4, 2022

Time: 2:00 PM

Location: 258 Hurley Hall

Zoom URL: notredame.zoom.us/j/93888654312



Lecture Title:

Five Glimpses of Cluster Algebras

Abstract

Cluster algebras were introduced by Fomin and Zelevinsky 20 years ago and have since found exciting applications in many areas including algebraic geometry, representation theory, integrable systems and theoretical physics. I will use examples to explain a definition of a cluster algebra and then sketch several applications of the theory, including Somos-5 recursion, pentagram map and generalizations of Abel's pentagon identity.