

# Colloquium

University of Notre Dame  
Department of Mathematics

Sergey Fomin - University of Michigan

**Speaker:** Sergey Fomin

University of Michigan



**Will give a lecture entitled**

Morsifications and mutations

**Date:** Wednesday, October 2, 2019

**Time:** 4:00 PM

**Location:** 229 Hayes-Healy Hall

**Departmental Tea:** Tea in Room 257 (lounge in Hurley Hall) at 3:30 p.m.

**Abstract:**

I will discuss a somewhat mysterious connection between singularity theory and cluster algebras, more specifically between the topology of isolated singularities of plane curves and the mutation equivalence of quivers associated with their morsifications. The talk will assume no prior knowledge of any of these topics. This is joint work with Pavlo Pylyavskyy, Eugenii Shustin, and Dylan Thurston.