Special (Symplectic) Geometry Seminar

Wed Nov 12, 2:30-3:30pm
Room 383N

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Geometry of cluster mutations

Abstract

In 2000 S. Fomin and A. Zelevinsky discovered a remarkable combinatorics/algebraic geometry of so called cluster mutations. It leads to an interesting class of chamber structures similar to those for Kac-Moody Lie algebras. I will explain various modern viewpoints of geometric nature on cluster mathematics, including nonarchimedean geometry and Fukaya categories.

http://math.stanford.edu/~ionel/sgs.html