Topology, Arithmetic, & Dynamics Seminar

Tropicalization of Configurations of Flags

Ian Le

Department of Mathematics
University of Chicago

In addition to being geometrically interesting in their own right, spaces of configurations of flags in n-dimensional space are useful as building blocks for moduli of local systems on topological surfaces. I will explain how to tropicalize spaces of configurations of flags using the geometry of buildings. We will see how tropical geometry reflects the piecewise-linear metric geometry of the affine building for PGL_n.

Date: Thursday, December 15, 2016
Time: **2:30-3:20pm**
Place: **Fishbowl (4th floor of Exploratory Hall)**

For special accommodations, please contact Sean Lawton via email at `slawton3@gmu.edu`.