# Cascades of Fano polygons

Fano polytopes form a special class of lattice polytopes that are in one-to-one correspondence with toric Fano varieties, which form an important building block for algebraic varieties.

In this talk, I would like to focus on the two dimensional case, i.e., Fano polygons. More precisely, a new approach to the classification problem of Fano polygons will be proposed by introducing a notion of 'cascades'. Every basic notions including lattice polytopes, Fano polytopes, etc, will be explained.