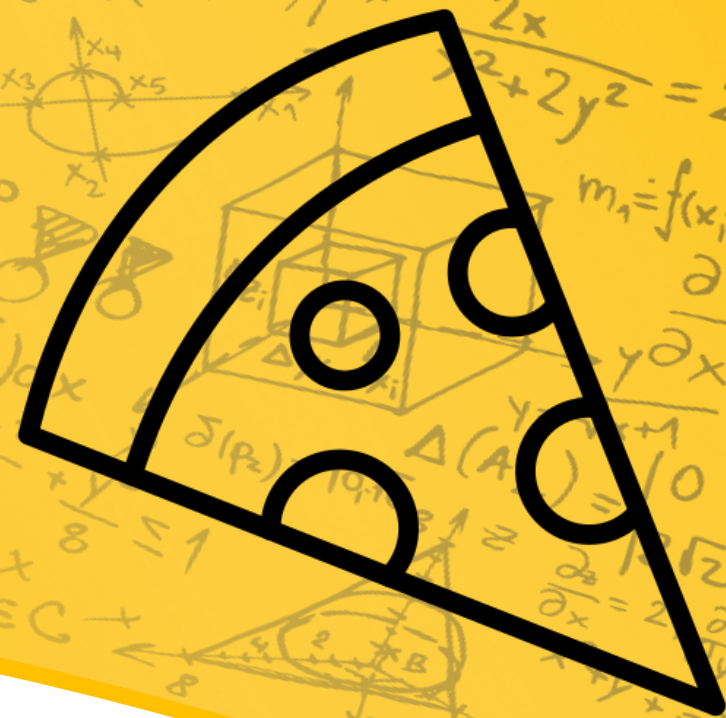




The Faculty of Mathematics
Invites you to the

Pizza seminar



Time &

Wednesday, June 4, 13:30
8th floor lounge, Amado bldg

Title

Curves have a finite number of symmetries

Speaker

Aleksei Piskunov (Technion)

Abstract

How many symmetries can a curve possess? It turns out that once the (smooth projective) curve is "complicated enough" — specifically, if it has genus at least 2 — then its automorphisms group is always finite. In this talk, I will show a new simple, but conceptual proof of this fact based on a one-pager by Daniel Litt. I will also explain how the same method extends to higher-dimensional cases under mild assumptions.

It's a fun example of how geometry puts hard limits on symmetries. No special background in algebraic geometry is needed!