

University of Oregon
Department of Mathematics
2013 Niven Lectures
May 13th and 14th

Sergey Fomin

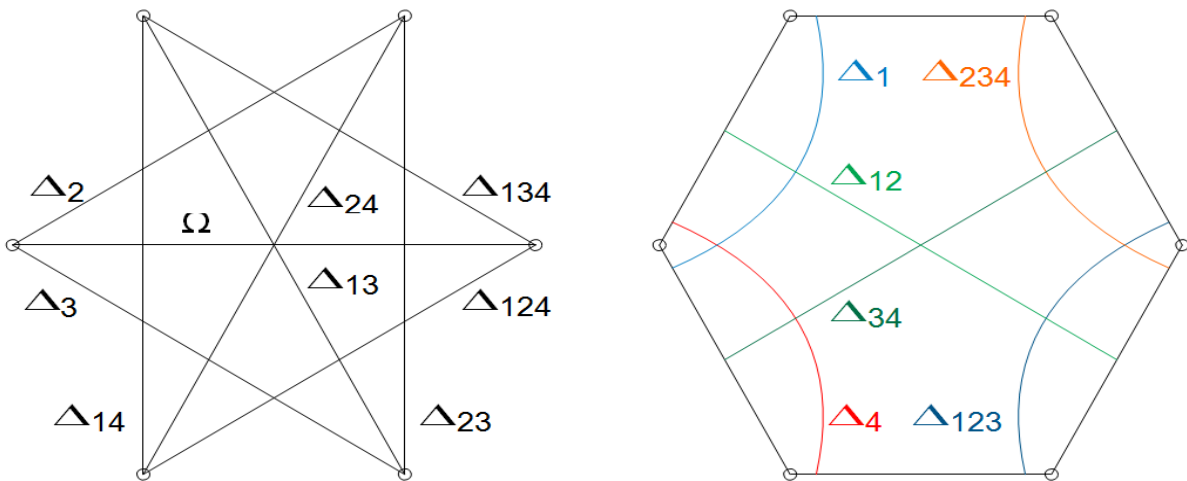
University of Michigan

Periodicity of Cluster Transformations

4:00 pm, Monday, May 13, 2013 – 208 Džady Hall

Reception in Fenton 219 to follow

It is easy to check that a sequence x_1, x_2, \dots satisfying the recurrence relation $x_{k+1}x_{k-1} = x_k + 1$ has period 5. I will discuss a family of generalizations of this periodicity phenomenon, and their appearances in various mathematical contexts.



Cluster Algebras and Invariant Theory

4:00 pm, Tuesday, May 14, 2013 – 112 Billis Hall

3:15 Tea in Fenton 219 will precede the lecture

This will be a brief and informal introduction to cluster algebras "from scratch," emphasizing their connections with classical invariant theory.