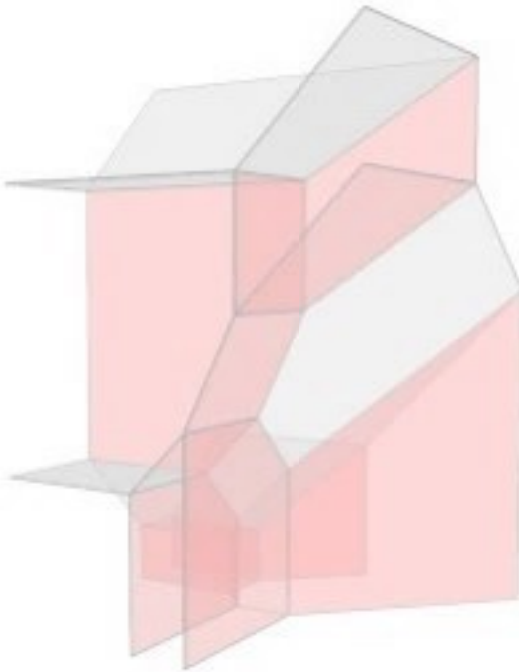# Introduction to Tropical Geometry
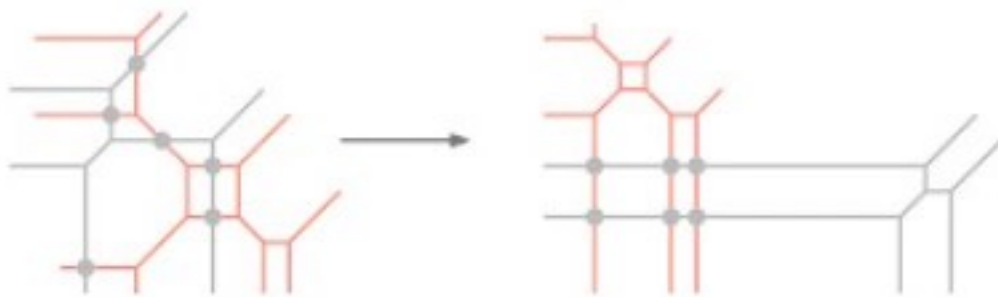
Numan Amin

21 March, 14:30-15:30
AS-SMS, Lahore.

Tropical geometry is a fascinating area of mathematics which is relatively new with connection to various other fields including physics and geometry. It has been studied quite vigorously in the last few years. I will discuses the ba- sics of tropical geometry by explaining the arithmetic in tropical. I will define tropical polynomial,its hypersurface and explain the connection between the newton polygon and the hypersurface of tropical polynomial. We will also see the relation between the tropical variety with variety in classical geometry.

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