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Title: Dynamical Process on a Tessellated Network Model

Abstract:

Networks are present in almost every aspect of our life. Hence, many complex network models have been proposed and constructed to explore the underlying structure of these real-world networks. Studying the static properties such as skewed degree distribution, average path length and clustering coefficient have given a lot of insights to network but the interest for their dynamics is growing. In this talk, we will look at the dynamical process on a network model constructed using tessellation of hyperbolic plane from the Fuchsian group.