

Hausdorff-Gromov limits of rescaled finite transitive graphs

Given a finite transitive graph, we consider the underlying metric space obtained by rescaling the graph metric so that the diameter is 1. In this talk we will discuss under which conditions a sequence of such spaces converge for the Hausdorff-Gromov topology and what limit can be achieved.

We will take advantage of this interesting question to discuss various aspects of geometric group theory:

Cayley graphs, growth function, convergent sequences of metric spaces...

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