

Algorithms in Hyperbolic Random Graphs

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Abstract

Hyperbolic random graphs are generated by sampling a finite set of points in the hyperbolic plane and connecting pairs of points with an edge if and only if their distance is sufficiently small. Carefully filling out the details like what "sufficiently small" actually means, yields graphs with some intriguing structural properties. In this talk, I will give an introduction into hyperbolic random graphs, an overview of what we know, and a motivation for their relevance in computer science.