

# Random walks on graphs and the Floyd boundary

*Thursday, 4 August 2022 13:30 (20 minutes)*

We consider a random walk on a graph, in order to study its behavior at infinity, it is natural to consider a boundary for the graph. After obtaining such a structure, a question that arises is whether the limit of the random walk exists. In this talk we will define the Floyd boundary of a graph. Furthermore we will present some assumptions on the random walk that induce convergence to the boundary.

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