

Random Stretched Graphs

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Abstract: A graph is stretched by replacing every edge with a path. We assume that the length of paths are independent and identically distributed random variables. Thus we obtain a family of random graphs. In addition to investigating the properties of random stretched graph, we also consider contact processes and other random systems on a random stretched graph. In other words, we study some Markov processes in a random environment. We present some partial results and many questions of our study.

References

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