

The Limiting Distributions of the Numbers of Subgraphs

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Abstract

In this research, we study the limiting distributions of the number of subgraphs of random graph in $[0,1]^d$ under different conditions. The asymptotic limit distribution of the number of subgraphs is either normal, Poisson or a degenerate point mass at zero depends on the behaviour of the sequence of edges distance.

Keyword : Random Graph, number of subgraph, limiting distribution