



复旦大学数学科学学院 数学综合报告会

报告题目：随机分析与数学物理Workshop系列报告一：
Surviving ends in Bernoulli percolation on graphs roughly
isometric to a tree

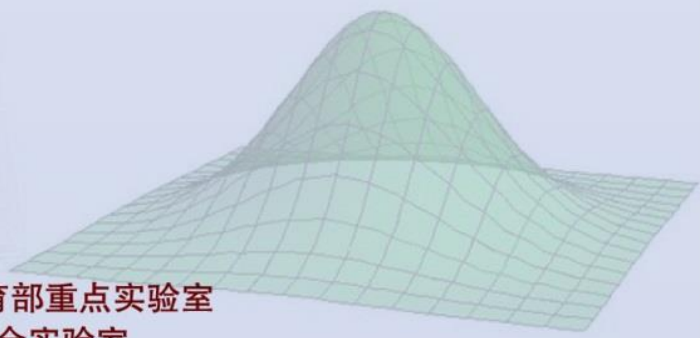
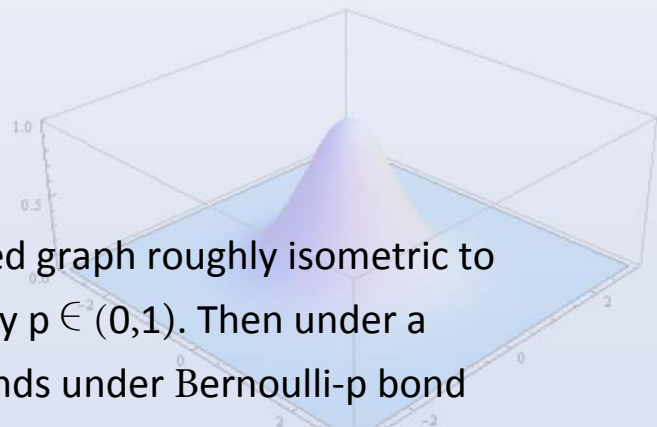
报告人：向开南 教授 (湘潭大学)

时间：2021-07-10 星期六 13:30--14:10

地点：光华楼东主楼2001室

报告摘要：

Let G be an infinite locally-finite connected graph roughly isometric to a tree, and o a fixed vertex of G . Given any $p \in (0,1)$. Then under a mild condition, the number of surviving ends under Bernoulli- p bond percolation ω on G a.s. either is 0 or has the cardinality of the continuum; where a surviving end is an end of G induced by a surviving ray from o in the ω . This shows that Bernoulli- p bond percolations are roughly isometric invariant to a certain degree.



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