



复旦大学数学科学学院 数学综合报告会

报告题目: The heat equation on graphs: unbounded Laplacians, stochastic completeness, intrinsic metrics and volume growth

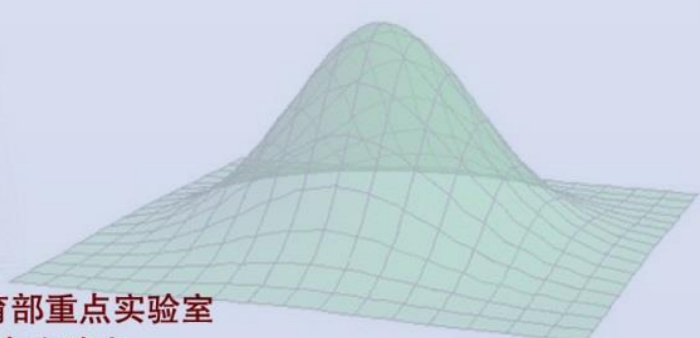
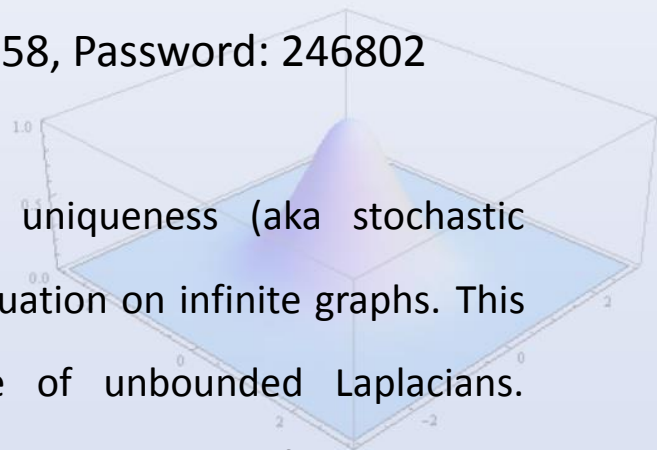
报告人: Radoslaw Wojciechowski (City University of New York)

时间: 2020-6-21 星期日 8:30-9:30

地点: Zoom meeting ID: 666 263 17658, Password: 246802

报告摘要:

We will discuss the existence and uniqueness (aka stochastic completeness) of solutions of the heat equation on infinite graphs. This will require us to introduce the case of unbounded Laplacians. Furthermore, in order to get volume growth criteria for stochastic completeness which are analogous to the manifold setting, we will need to introduce the concept of an intrinsic metric.



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