



复旦大学数学科学学院
数学综合报告会

报告题目: **A Dirichlet-to-Neumann mapping with curvature effects in singularly perturbed Poisson-Boltzmann equations**

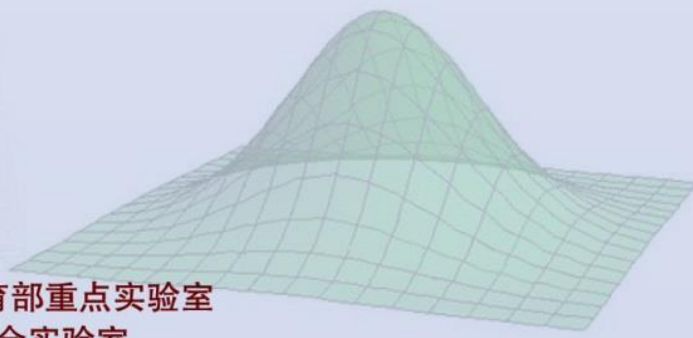
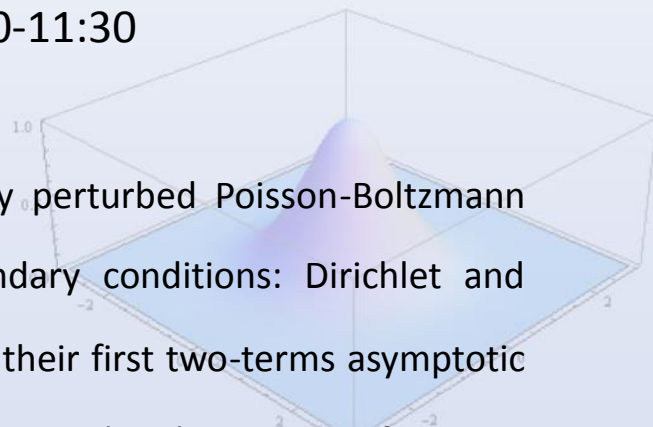
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报告时间: 2017-01-13 星期五 10:30-11:30

报告地点: 光华东主楼 2001

摘要: In this talk, I will present singularly perturbed Poisson-Boltzmann equations in the ball with two type boundary conditions: Dirichlet and Neumann boundary conditions. Investigating their first two-terms asymptotic expansions can lead to a Dirichlet-to-Neumann (DtN) mapping for their solutions with the mean curvature effect. Moreover, we can apply the DtN mapping to the related Robin problems.



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