



复旦大学数学科学学院 数学综合报告会

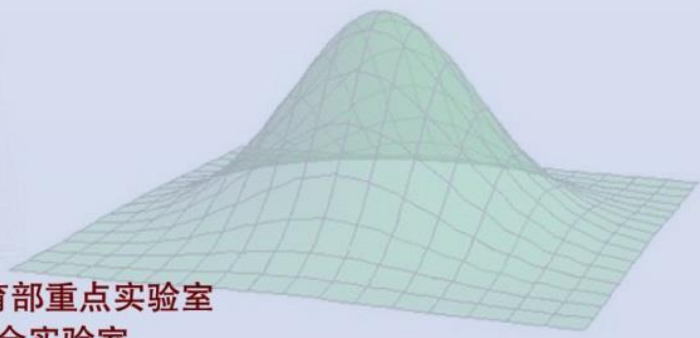
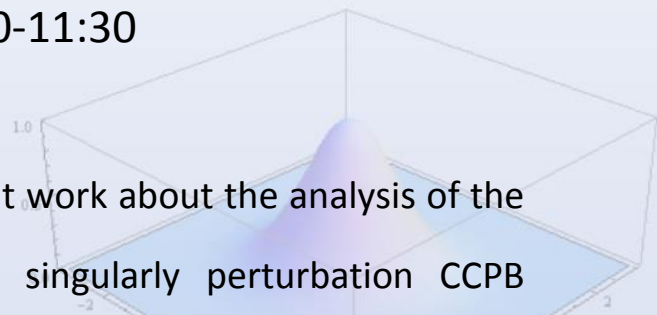
报告题目: **Pointwise description in radial solutions of CCPB models**

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报告时间: 2017-01-11 星期三 10:30-11:30

报告地点: 光华东主楼 2001

摘要: In this talk, I will introduce the recent work about the analysis of the electrical double layer (EDL) described in singularly perturbation CCPB models. In order to clearly understand the effect of the effects of the surface dielectric constant and curvature on the electrostatic potential in EDL, we consider the physical domain to be an annular domain and establish the pointwise estimate of the solution near the boundary. Furthermore, as an application on the EDL, our result provides a direct way to calculate the EDL capacitance.



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