



复旦大学数学科学学院 数学综合报告会

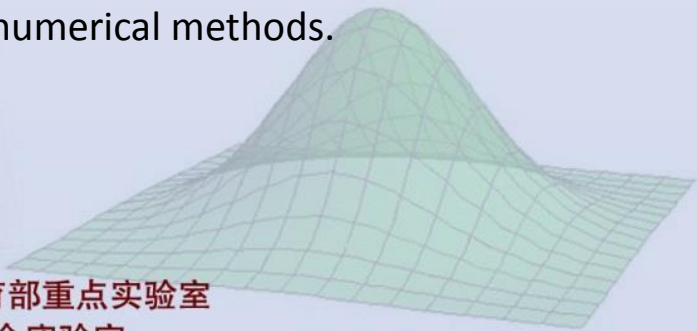
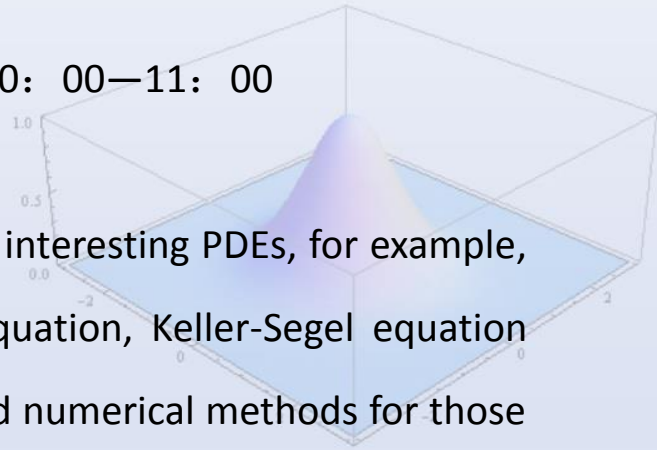
报告题目：Numerical Approximations for PDEs in Eulerian and Lagrangian Coordinates

报告人：程青（同济大学）

报告时间：2024年6月26日星期三，10:00—11:00

报告地点：光华楼东主楼 1704 室

报告摘要：In this talk, we consider some interesting PDEs, for example, the Allen-Cahn equation, Cahn-Hilliard equation, Keller-Segel equation and Fokker-Planck equation. We developed numerical methods for those PDEs in Eulerian and Lagrangian coordinates respectively. Some results about stability and error analysis will be presented for our numerical schemes. Interesting numerical experiments will also be shown to validate the stability and accuracy of our numerical methods.



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