



偏微分方程及其应用中心

学术报告

报告题目: Interaction of fluid and rigid ball

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地点: 数学院南楼 613

摘要: We talk the large time behavior of the solutions of the Stokes fluid solid system. We compute the asymptotic expansion of the solution for the integrable initial data. We show that the asymptotic profile of the solution is a linear combinations of the Stokes fundamental solution for the data with extra condition. We also show that integrability of the solution is strongly related to the net force exerted by the fluid on the boundary of the solid.