数学与系统科学研究院

计算数学所学术报告

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报告题目：

A θ-L approach for solving solid-state dewetting problems

邀请人：　张硕 副研究员

报告时间：**2021** 年 **10** 月 **12** 日（周二）

上午 **9:00-10:00**

报告地点：科技综合楼

311 教室

Abstract:

This talk is devoted to a θ-L numerical method for solid-state dewetting of thin films. Solid-state dewetting belongs to a class of interface problems and the motion of the (film/vapor) interface is governed by surface diffusion and contact line migration. We first briefly review several methods for solving its sharp-interface model, including the "Marker-particle" method and the parametric finite element method. Then we propose a new θ-L approach which can both reduce the stiffness from surface diffusion and improve the performance in mesh distribution. This is a joint work with Prof. Wei Jiang and Prof. Yan Wang.

欢迎大家参加！