

数学与系统科学研究院

计算数学所学术报告

报告人: **Prof. David Yuen**

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报告题目:

**Simulation of Mantle Dynamics with
an extreme high Prandtl number
Fluid using Lattice-Boltzmann
Method**

邀请人: 崔涛 副研究员

报告时间: **2017年7月4日 (周二)**

下午 15:00-16:00

报告地点: 科技综合楼三层

301 报告厅

Abstract:

Lattice Boltzmann Method (LBM) is a powerful way of treating mesoscopic multi-phase fluid dynamics based on statistical mechanics. LBM has been demonstrated nearly thirty years ago to collapse to Navier-Stokes equation. LBM has grown to be a cottage industry for engineers in the past ten years because of multi-core processors. Today we will report on our burgeoning application to mantle dynamics.

欢迎大家参加！