数学与系统科学研究院

计算数学所学术报告

报告人：Assistant Prof. Zhonghua Qiao

（ Department of Applied Mathematics,The Hong Kong Polytechnic University ）

报告题目：

Energy stable schemes for a diffusive interface model with Peng-Robinson equation of state

邀请人：　郑伟英 研究员

报告时间：2015 年 7 月 21 日（周二）

上午 10:00

报告地点：　数学院南楼七层 702 会议室

<u>Abstract</u>：

Two-phase fluid systems are simulated using a diffusive interface model with the Peng-Robinson equation of state (EOS), a widely used realistic EOS for hydrocarbon fluid in the petroleum industry. We will present several energy stable schemes to solve the derived partial differential equation. Numerical results will be compared with laboratory experimental data and verify with the Young-Laplace equation.

欢迎大家参加！