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：

Numerical Simulation of Enhanced Oil Recovery with Polymer Flooding

邀请人：　　陈志明研究员

报告时间：**2010 年 12 月 21 日**（周二）

上午 **10：00**

报告地点：　科技综合楼三层 **311**

计算数学所报告厅

Abstract：

Since summer 2009, we have been working on a project with several petroleum engineers and the China National Off-shore Oil Company (CNOOC) to design a polymer flooding simulator for off-shore oil reservoir simulation. In this project, our goal is to design and implement a state-of-the-art computer simulator for polymer and chemical flooding which can be used for off-shore oil reservoirs and complex smart wells. The main challenge is to deliver high-performance parallel iterative discrete solvers for multi-components multi-phase flows. We will utilize solver-friendly discretizations and user-friendly solvers to improve efficiency and achieve practical usability.

欢迎大家参加！