数学与系统科学研究院
计算数学所学术报告

报告人： **Prof. Xiaohu Guo**

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报告题目：

Incompressible Smoothed Particle Hydrodynamics and it's Applications

邀请人： 崔涛 副研究员

报告时间：2016 年 8 月 9 日（周二）
上午 10:00-11:00

报告地点： 科技综合楼三层
311 报告厅

Abstract:

The incompressible smoothed particle hydrodynamics (ISPH) method with projection based pressure correction has been shown to be highly accurate and stable for various flows. This talk gives the overview of the methology of ISPH and it's parallel implementation in the ISPH software package. Besides addressing the efficient implementation of domain decomposition, dynamic load balancing, optimized structured and unstructured communication and neighbour lists searching which are common interests of parallel particle based methods, I will also show our recent progress of ISPH engineering applications.

欢迎大家参加！