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 Methods for Multiphase Flows

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报告时间：**2013 年 5 月 29 日（周三）**

上午 10:00-11:00

报告地点： **科技综合楼三层 311**

计算数学所报告厅

Abstract：

We present two interface-tracking methods for the simulations of two immiscible-liquid flows: (1) the Volume of Fluid method is an implicit method where interfaces are represented by the volume fraction of one reference liquid in each cell; (2) the moving mesh method is an explicit method where interfaces are lines of numerical girds. After discussing their relative merits and weakness, their applications to multiphase flow simulations will be demonstrated through binary droplet collision and droplet impact on a solid substrate among other examples.

欢迎大家参加！