数学与系统科学研究院

计算数学所学术报告

报告人：Associate prof. Shidong Jiang

（ *New Jersey Institute of Technology* ）

报告题目：

Integral equation methods for fourth order PDEs

邀请人： 季霞 副研究员

报告时间：2015 年 7 月 20 日（周一）

上午 **10:00-11:00**

报告地点： 科技综合楼三层

311 报告厅

Abstract：

In this talk, we will discuss integral equation methods for solving certain boundary value problems of fourth order PDEs. Stable second kind integral equation (SKIE) formulations are constructed for both the first Dirichlet problem of the biharmonic equation in three dimensions and the fluid problem of the modified biharmonic equation in two dimensions. Numerical algorithms are developed for these SKIEs and several numerical examples are provided to illustrate their performance.

欢迎大家参加！