数学与系统科学研究院

计算数学所学术报告

报告人：　Dr. Ming-Jun Lai

（ Department of Mathematics,　University of Georgia, Athens, GA 30602,　U.S.A. ）

报告题目：

Recent Development of Multivariate Splines for Numerical Solution of PDE

邀请人：　黄记祖　博士

报告时间：2018 年 7 月 17 日（周二）

下午 16:00-17:00

报告地点：　数学院南楼七层

702 教室

Abstract:

I shall first explain multivariate splines which are piecewise polynomial functions defined over any given triangulation or tetrahedral partition. These functions can be used for scattered data interpolation, wavelet construction, and image analysis. Then I will emphasize how to use them for numerical solutions to partial differential equations. 2D Navier-Stokes equations and second order elliptic PDE in non-divergence form will be used to show the efficiency and effectiveness of my spline method.

欢迎大家参加！