数学与系统科学研究院

计算数学所学术报告

报告人： 伍渝江教授 (兰州大学)

报告题目： On Incremental Unknowns: Alternating Direction Scheme and Nonuniform Meshes

邀请人： 许学军研究员

报告时间： 2008 年 12 月 4 日(周四)

上午 10:30—11:30

报告地点： 科技综合楼三层 311

计算数学所报告厅

Abstract：

At first we describe a new approach to improve the implementation of incremental unknowns for two–dimensional heat equation ,

the IU–type alternating direction implicit scheme. Stability conditions are proven. Numerical results are carried out.

Then we give significant estimates of condition numbers of the discretizing matrix when using incremental unknowns on nonuniform meshes for elliptic equation. Several meshes are applied to perform the efficient numerical computation.

欢迎大家参加！