

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:

**Stability analysis of the Crank-Nicols
on scheme on a staggered grid**

邀请人: 优化与应用研究中心

报告时间: **2012 年 1 月 6 日 (周五)**

下午 16: 00-17: 00

报告地点: 科技综合楼三层 **311**

计算数学所报告厅

Abstract:

For the model heat equation problem, the Crank-Nicolson method with explicit boundary conditions is unstable some special choice of parameter, while the same method with implicit boundary conditions is unconditionally stable. I Numerical results provide evidence that the stability restrictions derived for the model problem extend, at least qualitatively, to the case of the Navier-Stokes equations.

欢迎大家参加!