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：

Introduction of some space-time methods

邀请人： 龚伟 博士

报告时间： 2014 年 12 月 1 日（周一）

下午 15:00-16:00

报告地点： 数学院南楼二层 212 会议室

Abstract：

Some time-parallel algorithms such as "parareal" algorithm and parallel full approximation scheme in space and time (PFASST) algorithm will be introduced. Then we present a convergence theory for the two-level space-time additive Schwarz algorithm applied to parabolic equations, and show how the convergence rate depend on the fine/coarse mesh sizes in space and time, the number of subdomains, and the window size (i.e., the number of coupled time steps). Some numerical results are also presented.

欢迎大家参加！