

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：

收敛分裂及其计算方法在非对
称正定线性方程组求解中的应用

邀请人： 石钟慈 院士

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报告地点： 科技综合楼三层 311

计算数学所报告厅

Abstract:

We present two applicable convergent splittings for solving a non-Hermitian positive definite system. By the new splittings and optimization models, we derive an improved Chebyshev semi-iterative method. The improved Chebyshev semi-iterative method turns out to be more powerful in most cases, which to some extent compensates the drawback of the standard Chebyshev semi-iterative method. The numerical examples show that the acceleration method reduces evidently the amount of work in computation.

欢迎大家参加!