数学与系统科学研究院

计算数学所网络学术报告

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报告题目：

On a Fast Deterministic Block Kaczmarz Method for Solving Large-Scale Linear Systems

邀请人：　白中治 研究员

报告时间：**2021 年 9 月 18 日（周六）**

晚上 20:00-21:00

报告工具：腾讯会议 **ID:（113 738 920）**

Abstract:

For solving large-scale consistent systems of linear equations by iterative methods, a fast block Kaczmarz method based on a greedy criterion of the row selections is discussed in this report. The method is deterministic, and needs not compute the pseudoinverses of submatrices or solve subsystems. It is proved that the method will converge linearly to the unique least-norm solutions of the linear systems. Numerical experiments are 113 738 920 given to illustrate that the method is more efficient and yields a significant acceleration in convergence for the tested data.

欢迎大家参加！