数学与系统科学研究院

计算数学所定期学术报告

报告人： **Prof. Zhongzhi Bai**

（ *LSEC, Institute of Computational Mathematics and Scientific/Engineering Computing, Academy of Mathematics and Systems Science, Chinese Academy of Sciences* ）

报告题目：

Matrix Splitting Iteration Methods Based on Modulus for Linear Complementarity Problems

报告时间：**2016 年 5 月 26 日（周四）**

下午 16:00~17:00

报告地点： **科技综合楼三层**

311 报告厅

Abstract：

For the large sparse linear complementarity problems, by reformulating them as implicit fixed-point equations based on splittings of the system matrices, we establish a class of modulus-based matrix splitting iteration methods and prove their convergence when the system matrices are the H-matrices of positive diagonal entries. These results naturally present convergence conditions for the M-matrices. Numerical results show that the modulus-based relaxation methods are superior to the projected relaxation methods as well as the modified modulus method in computing efficiency.

欢迎大家参加！