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：

The Nonnegative Z-eigenpairs of Nonnegative Tensors: Theory and Iteration Algorithms

邀请人： 白中治 研究员

报告时间：2021 年 10 月 9 日（周六）

上午 11:00-12:00

报告工具：腾讯会议 ID：（389 445 858）

Abstract：

In this talk, we first introduce some theoretical bounds for the Z-spectrum, and then we propose a projected Newton iteration for computing the nonnegative Z-eigenpairs of nonnegative tensors. A local quadratic convergence is also given. More specially, the proposed algorithm can be employed to solve the tensor equation arising from the multilinear PageRank. Numerical experiments are provided to illustrate the effectiveness of the proposed approach.

欢迎大家参加！