论文

A RELATION BETWEEN THE MATCHING NUMBER AND LAPLACIAN SPECTRUM OF A TREE

FAN Yizheng

Department of Mathematics, Nanjing Normal University, Nanjing 210097, China; School of Mathematics and Computational Science, Anhui University, Hefei 230039, China

收稿日期   修回日期   网络版发布日期   接受日期

摘要   Let T be a tree with matching number $\mu(T)$. In this paper we obtain the

following result: If T has no perfect matchings, then $\mu(T)$ is a lower bound for

the number of nonzero Laplacian eigenvalues of T which are smaller than 2.

关键词   Tree, Laplacian spectrum, matching numbe
分类号

Abstract Let T be a tree with matching number $\mu(T)$. In this paper we obtain the following result: If T has no perfect matchings, then $\mu(T)$ is a lower bound for the number of nonzero Laplacian eigenvalues of T which are smaller than 2.

Key words   Tree   Laplacian spectrum   matching number

DOI:

通讯作者

扩展功能

本文信息

- Supporting info
- PDF(93KB)
- [HTML全文](0KB)
- 参考文献

服务与反馈

- 把本文推荐给朋友
- 加入我的书架
- 加入引用管理器
- 复制索引
- Email Alert
- 文章反馈
- 浏览反馈信息

相关信息

- 本刊中 包含 "Tree, Laplacian spectrum, matching numbe"的相关文章
- 本文作者相关文章

· FAN Yizheng