应用数学学报
Acta Mathematicae Applicatae Sinica (Chinese Series)
ISSN 0254-3079
CN 11-2040/O1
应用数学学报 英文版

应用数学学报 » 2012, Vol. 35 » Issue (5): 913-917 DOI:

无圈超图规模的进一步研究

赵凌琪[1], 冯伟[2], 徐春雷[1], 吉日木图[2]

1. 内蒙古民族大学计算机科学与技术学院, 通辽 028043;
2. 内蒙古民族大学数学学院, 通辽 028043

Further Study on Size of Acyclic Hypergraphs

Zhao Lingqi[1], Feng Wei[2], Xu Chunlei[1], Jirimutu[2]

1. College of Computer science and Technology, Inner Mongolia University for Nationalities, Tongliao 028043;
2. College of Mathematics, Inner Mongolia University for Nationalities, Tongliao 028043

- 摘要
- 参考文献
- 相关文章

全文: PDF (231 KB) HTML (1 KB) 输出: BibTeX | EndNote (RIS) 背景资料

摘要 本文在王建方给出的严格(d)-连通k-匀齐无圈超图的规模的基础上, 进一步研究n阶(d)-连通k-匀齐无圈超图的规模和非严格(d)-连通k-匀齐无圈超图的规模, 并分别得到它们规模的上下界.

关键词: k-匀齐无圈超图 (d)-连通 无圈超图的规模

Abstract: Based on size of strict (d)-connected k-uniform acyclic hypergraph defined by Wang J F, this paper further studies size of (d)-connected k-uniform acyclic hypergraph and not-strice (d)-connected k-uniform acyclic hypergraph on n labeling vertices and obtains upper and lower bound of their sizes, respectively.

Key words: k-uniform acyclic hypergraph (d)-connected sizes of acyclic hypergraph

收稿日期: 2011-03-08;

基金资助:国家自然科学基金(No.11161032), 内蒙古科技厅基金(No.2010MS0122), 内蒙古自治区高等学校科学研究(No.NJZY11209)和内蒙古民族大学离散数学研究所资助项目.

引用本文:

赵凌琪,冯伟,徐春雷等. 无圈超图规模的进一步研究[J]. 应用数学学报, 2012, 35(5): 913-917.

Zhao Lingqi,Feng Wei,Xu Chunlei et al. Further Study on Size of Acyclic Hypergraphs[J]. Acta Mathematicae Applicatae Sinica, 2012, 35(5): 913-917.

服务
- 把本文推荐给朋友
- 加入我的书架
- 加入引用管理器
- E-mail Alert
- RSS

作者相关文章
- 赵凌琪
- 冯伟
- 徐春雷
- 吉日木图

[1] Beeri C, Fagin R, Maier D, Yannalalis M. On the Desirability of Acyclic Database Schemes *JACM*, 1983, 30: 479-513

[2] Lee T T. An Information-theoretic Analysis of Relational Databases, Part I: Data Dependencies and Information Metric. *IEEE Tran. on Soft. Eng.*, 1987, Se-13(10): 1049-1061

[3] Lee T T. An Information-theoretic Analysis of Relational Databasesm, Part I!I: Information Structures for Database Schemes. *IEEE Tran. Soft. End.*, 1987, Se-13(10): 1062-1072

[4] Ulman J D. Principle of Database Systems. New York: Computer Science Press, 1979

[5] Wang J F, Li H Z. Enumeration of Maximum Acyclic Hypergraphs. *Acta Math. Appl. Sin.*, 2002, 18(2): 215-218

[6] 王建方. 超图的理论基础. 北京: 高等教育出版社, 2006 (Wang Jianfang. Theoretical Basis of Hypergraphs. Beijing: Higher Education Press, 2006)

[7] Wang J F, Lee T T. An Invariant for Hypergraphs. *Acta Mathematicae Applicatae Sinica*, 1996, 12(2): 113-120

[8] Li H Z, Wang J F. On Acyclic and Cyclic Hypergraphs. *J. Systems Science and Complexity*, 2002, 15(4): 353-362

[9] Wang J F. The Information Hypergraph Theory. Beijing: Science Press, 2008