



摄影：李江川

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基本信息

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图论与组合最优化

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个人简介

洪艳梅，博士，福州大学数学与计算机科学学院副教授，硕士生导师。主要研究领域为图论与组合最优化。主持国家自然科学基金两项，参与国家自然科学基金两项，在Journal of Graph Theory等SCI学术期刊上发表学术论文20篇。

教育经历

- 2000.09 - 2004.06, 新疆师范大学, 数学与系统科学学院, 学士
- 2006.09 - 2009.06, 新疆大学, 数学与系统科学学院, 硕士
- 2009.09 - 2012.06, 上海大学, 理学院数学系, 博士

海外经历

- 2010.08 - 2011.09, 美国佐治亚理工学院, 联合培养博士
- 2018.01 - 2018.07, 美国佐治亚理工学院, 访问学者

获奖情况

- 2018年, "Non-separating cycles avoiding specific vertices" 获 十三届福建省自然科学优秀论文一等奖.

科研项目

- 有向超欧拉图及相关问题研究(11401103), 国家自然科学基金青年项目, 2015.01-2017.12, 主持
- 有向超欧拉图的度条件及相关问题研究(11326214), 国家自然科学基金天元基金项目, 2014.01-2014.12, 主持
- 可去子图及相关问题研究(2018J01665), 福建省自然科学基金, 2018.04 -- 2021.03, 主持
- 两类与嵌入树相关的猜想的猜想的研究(11871015), 国家自然科学基金项目面上项目, 2019.01 -- 2022.12, 参与
- 图与超图若干划分问题的研究(11671087), 国家自然科学基金项目面上项目, 2017.01 -- 2020.12, 参与

主要论著

- Shengjin Ji, **Yanmei Hong**, Mengmeng Liu, The Lower Bound of Revised Szeged Index with Respect to Tricyclic Graphs, MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY, 79(2018)3:757-778. (SCI)
- Yanmei Hong**, Qinghai Liu, Hong-Jian Lai, Characterization of Digraphic Sequences with Strongly Connected Realizations, Journal of Graph Theory, 84 (2017) 2:191-201 (SCI)
- Yanmei Hong**, Qinghai Liu, Degree sequence for k-arc strongly connected multiple digraphs, Journal of Inequalities and Applications 2017(1) (SCI)
- Yanmei Hong**, Xiaofeng Gu, Hong-Jian Lai, Qinghai Liu, Fractional spanning tree packing, forest covering and eigenvalues, Discrete Applied Mathematics 213 (2016) 219-223 (SCI)
- Yanmei Hong**, Qinghai Liu, Hong-Jian Lai, Ore-type degree condition of supereulerian digraphs, Discrete Mathematics 339 (2016) 8:2042-2050 (SCI)

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7. Yanmei Hong*, Liying Kang and Xingxing Yu, Non-separating cycles avoiding specific vertices, Journal of Graph Theory, 1 80(2015): 253–267. (SCI)
8. Fan Genghua, Yanmei Hong* and Qinghai Liu, Ore's condition for completely independent spanning trees, **Discrete Applied Mathematics**, 177(2014) 95-100. (SCI)
9. Yanmei Hong* , Hongjian Lai and Qinghai Liu, Supereulerian digraphs, **Discrete Mathematics**, 330(2014) 87-95. (SCI)
10. Qinghai Liu, Yanmei Hong* and Hongjian Lai, Edge-disjoint spanning trees and eigenvalue, **Linear Algebra and its Applications**458(2014) 108-133. (SCI)
11. Qinghai Liu, Yanmei Hong*, Xiaofeng Gu, Hong-Jian Lai , Note on edge-disjoint spanning trees and eigenvalues , **Linear Algebra and its Applications**444(2014) 146-151. (SCI)
12. Yanmei Hong* and Hongjian Lai, Non-separating subgraphs, **Discrete Mathematics**, 313(4) 391-396, 2013. (SCI)
13. Qinghai Liu, Zhao Zhang, Yanmei Hong*, Weili Wu and Dingzhu Du, A PTAS for weak minimum routing cost connected dominating set of unit disk graph, **Optimization, Simulation, and Control, Springer Optimization and Its Applications**, Springer Science+Business Media New York, 2013. Book
14. Yanmei Hong* and Liying Kang, Backup 2-center on interval graphs. **Theoretical Computer Science**, 445(3) 25-35, 2012. (SCI)
15. Yanmei Hong*, Jixiang Meng and Zhao Zhang, Edge fault tolerance of super edge connectivity of graphs, **Discrete Applied Mathematics**160(4) 579-587, 2012. (SCI)
16. Yanmei Hong* and Zhao Zhang, Vertex fault tolerance of optimal-k graphs and super- λ graphs, **Information Processing Letters**109(20) 1151-1155, 2009. (SCI)
17. Qinghai Liu, Yanmei Hong* and Zhao Zhang, Minimally 3-restricted edge connected graphs. **Discrete Applied Mathematics**157(4) 685-690, 2009. (SCI)
18. Yanmei Hong*, Zhao Zhang and Qinghai Liu, Edges of degree k in minimally restricted k-edge connected graphs. **Discrete Mathematics**309(13) 4448-4455, 2009. (SCI)
19. Yanmei Hong*, Qinghai Liu and Zhao Zhang, Minimally restricted edge connected graphs. **Applied Mathematics Letter** 21(8) 820-823, 2008. (SCI)



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