



您的位置：[首页](#) > [学院一览](#) > [师资队伍](#) > [侯建锋](#)

- 栏目列表
- ▷ 学院简介
 - ▷ 学院领导
 - ▷ 组织机构
 - 管理部门
 - 教学系别
 - 科研机构
 - 学术机构
 - ▷ 师资队伍
 - ▷ 校友风采

侯建锋

职称	副教授
职务	博士生导师
研究方向	图论及其应用
办公室	数计学院4号楼113
电子邮件	jfhou@fzu.edu.cn
办公电话	0591-83859481



个人简介:

侯建锋，男，1981年生，福州大学副教授。2009年7月毕业于山东大学数学学院，获理学博士学位。2011年度全国优秀博士学位论文提名奖，2011年度福建省杰出青年科学基金获得者，主要从事图染色理论及其应用研究，发表论文30余篇。美国数学评论“Mathematical Review”评论员。

教育及工作经历:

- 2009.07-至今，福州大学数学与计算机科学学院
- 2004.09-2009.07，山东大学数学学院（硕博连读），获博士学位
- 2000.09-2004.07，山东大学数学学院，获学士学位

科研项目:

1. 图的无圈染色和无圈列表染色的研究，福建省自然科学基金项目，2011.04-2014.04，项目负责人
2. 几类图染色问题的研究，国家自然科学基金青年项目，2011.01-2013.12，项目负责人
3. 图上几类染色问题的研究，福建省自然科学基金青年项目，2010.05-2012.05，项目负责人
4. 图的 (t,k,d) -树染色问题的研究，国家自然科学基金面上项目，2010.01-2012.12，研究成员（第二）

获奖情况:

- 2011年全国优秀博士学位论文提名奖
- 2010年山东省优秀博士学位论文
- 2010年山东大学优秀博士学位论文

主要论著:

1. Jianfeng Hou, G. Liu, Every toroidal graph is acyclically 8-choosable, Acta Mathematica Sinica,

English Series, to appear. (SCI)

2. Q. Lin, Jianfeng Hou, Y. Liu, Acyclic edge coloring of graphs with large girths, [Science China Mathematics](#), doi: 10.1007/s11425-012-4442-7 (SCI)
3. M. Cygan, Jianfeng Hou, Ł. Kowalik, B. Luvzar, J. Wu, A planar linear arboricity conjecture, *Journal of Graph Theory*, 69 (2012), 403 – 425, 2012 (SCI)
4. Jianfeng Hou, G. Liu, J. Wu, Acyclic edge coloring of planar graphs without small cycles, *Graphs and Combinatorics*, 28 (2012), 215 – 226 (SCI)
5. Jianfeng Hou, B. Liu, G. Liu, J. Wu, [Total coloring of planar graphs without 6-cycles](#), *Discrete Applied Mathematics* 159 (2011) 157-163. (SCI)
6. Jianfeng Hou, G. Liu, G. Wang, [Improved bounds for acyclic chromatic index of planar graphs](#), [Discrete Applied Mathematics 159 \(2011\) 876-881](#). (SCI)
7. G. Chang, Jianfeng Hou, N. Roussel, [Local condition for planar graphs of maximum degree 7 to be 8-totally colorable](#), [Discrete Applied Mathematics 159 \(2011\) 760-768](#). (SCI)
8. Jianfeng Hou, N. Roussel, J. Wu, [Acyclic chromatic index of planar graphs with triangles](#), *Information Processing Letters*, 111 (2011) 836-840. (SCI)
9. Jianfeng Hou, G. Liu, J. Wu, Bondage number of planar graphs without small cycles, *Utilitas Mathematica*, 84 (2011) 189-199. (SCI)
10. Jianfeng Hou, J. Wu, G. Liu, B. Liu, Acyclic edge chromatic number of outerplanar graphs, *J. Graph Theory*, 64 (2010) 22-36. (SCI)
11. Jianfeng Hou, J. Wu, G. Liu, B. Liu, Total coloring of embedded graphs of maximum degree at least ten: *Science China-Mathematics*, 53 (2010) 2127-2133. (SCI)
12. Jianfeng Hou, B. Liu, G. Liu, J. Wu, [Edge colourings of embedded graphs without 4-cycles or chordal-4-cycles](#), *International Journal of Computer Mathematics*, 87 (2010) 2880-2886. (SCI)
13. G. Chang, Jianfeng Hou, N. Roussel, [On the total choosability of planar graphs and of sparse graphs](#), [Information Processing Letters, 110 \(2010\) 849-853](#). (SCI)
14. G. Liu, Jianfeng Hou, The method of coloring in graphs and its application, *J. Systems Science & Complexity*, 23 (2010) 951-960. (SCI)
15. X. Zhang, G. Liu Guizhen, J. Cai, Jianfeng Hou, [A new sufficient condition for graphs of f-class 1](#), [Ars Combinatoria, 97 \(2010\) 403-412](#). (SCI)
16. Jianfeng Hou, J. Wu, G. Liu, B. Liu, Acyclic edge colorings of planar graphs and series-parallel graphs, *Science in China Series A: Mathematics*, (2009) 52 (3) 1-12. (SCI)
17. Jianfeng Hou, G. Liu, J. Cai, Edge-choosability of planar graphs without adjacent triangles or without 7-cycles, *Discrete Math.*, 309(2009) 77-84. (SCI)
18. Jianfeng Hou, G. Liu, J. Wu, On 3-degeneracy of some C_7 -free plane graphs with application to choosability. *Ars Combin.*, 91 (2009) 289 – 296. (SCI)
19. Jianfeng Hou, G. Liu, Some Results on Edge Coloring Problems with Constraints in Graphs, *The Eighth International Symposium on Operations Research and Its Applications (ISORA' 09)*, Zhangjiajie, China, September 20 – 22, (2009) ORSC & APORC, pp. 6 – 14. (ISTP)
20. B. Liu, Jianfeng Hou, J. Wu, G. Liu, Total colorings and list total colorings of planar graphs without intersecting 4-cycles, *Discrete Mathematics*, 309 (2009) 6035-6043. (SCI)
21. D. Yu, Jianfeng Hou, G. Liu, B. Liu, L. Xu, Acyclic edge coloring of planar graphs with large girth,

Theoretical Computer Science, 410 (2009) 5196-5200. (SCI)

22. X. Sun, J. Wu, Y. Wu, Jianfeng Hou, Total colorings of planar graphs without adjacent triangles. [Discrete Math.](#) **309** (2009), no. 1, 202-206. (SCI)

23. J. Cai, G. Liu, Jianfeng Hou, The stability number and connected $[k, k+1]$ -factor in graphs, [Appl. Math. Lett.](#), **22** (2009), 927-931. (SCI)

24. J. Cai, Jianfeng Hou, X. Zhang, G. Liu, Edge-choosability of planar graphs without non-induced 5-cycles. [Inform. Process. Lett.](#), **109** (2009) 343-346. (SCI)

25. 侯建锋, 吴建良, 刘桂真, 刘彬, 平面图和系列平行图的无圈边染色, 中国科学A: 数学, 38 (12) (2008) 1335-1346.

26. Jianfeng Hou, Y. Zhu, G. Liu, J. Wu, Total colorings of planar graphs without small cycles. [Graphs and Combinatorics](#), 24 (2008) 91 - 100. (SCI)

27. Jianfeng Hou, G. Liu, Y. Xin, M. Lan, Some results on total colorings of planar graphs, [J. Appl. Math. & Informatics](#), 26 (2008), 511-517.

28. B. Liu, Jianfeng Hou, G. Liu, List edge and list total colorings of planar graphs without short cycles, [Information Processing Letters](#), 108 (2008) 347 - 351. (SCI)

29. Jianfeng Hou, G. Liu, J. Wu, Some Results on List Total Colorings of Planar Graphs, [Lecture Note in Computer Science](#), 4489 (2007) 320-328. (EI,ISTP)

30. G. Liu, Jianfeng Hou, J. Cai, Some results about f -critical graphs, [Networks](#), 50 (3)(2007) 197-202. (SCI)

31. J. Wu, Jianfeng Hou, G. Liu, The linear arboricity of planar graphs with no short cycles, [Theoretical Computer Science](#), 381 (2007) 230-233. (SCI)

32. J. Wang, Hou Jianfeng, G. Liu, Some properties on f -edge covered critical graphs, [J. Appl. Math. & Computing](#), 24 (2007), 357-366. (EI)

33. Jianfeng Hou, G. Liu, J. Cai, List edge and list total colorings of planar graphs without 4-cycles, [Theoretical Computer Science](#), 369 (2006) 250-255. (SCI)

学生培养:

毕业硕士研究生: 杨威

在读硕士研究生: 王炜涛, 杨英媛, 管悦, 吕春琼, 毋述斐, 曾庆厚, 程磊