

**Prof. Kewen Zhao**

Director, Institute of Applied Mathematics & Information Sciences, Qiongzhou University, Sanya, 572022, P. R. China

He is the President of [Hainan Society for Industrial and Applied Mathematics](#), and a Council Member of the [China Society for Industrial and Applied Mathematics](#) (2004/09 - 2016/08).

Website: <http://www.qzu5.com/homepage.htm>

Email: kwzhao2006@163.com, kwzhao2006@sohu.com.

Area of Research: Combinatorial Algorithms, Graph Algorithms, Interconnection Networks, Wireless Networking, and Discrete structure

Address:

Department of Mathematics,
Qiongzhou University
Sanya, 572022,
P. R. China,

Degrees:

Ph.D. (1993) South China Normal University (Mathematics)
M.S. (1990) Guangdong University (Mathematics)
B.S. (1987) Guangdong University (Mathematics)

Experience:

1993-2000 Assistant Professor, Qiongzhou University
2000-2004 Associate Professor, Qiongzhou University
2004-date Professor, Qiongzhou University

[Hainan Province](#) Distinguished Scientist (It is only such an expert in Qiongzhou University now)

The Publications of Kewen Zhao

- Kewen Zhao, A new proof of a theorem on long cycles. [Math. Slovaca](#) **65** (2015), no. 3, 719--721.
- Kewen Zhao, Chunwei Song, Ping Zhang, Fan type condition and characterization of Hamiltonian graphs, [Proceeding of the American Mathematical Society](#). **142** (2014), 2303-2311
- Kewen Zhao, Ore type condition and Hamiltonian graphs, [Matematički Vesnik](#) **65** (2013), no.3, 412-418.
- Kewen Zhao, Yue Lin, Vertex pancyclicity and new sufficient conditions, [Proceedings of the Indian Academy of Sciences Mathematical Sciences](#) Vol. **122** (2012), no.3, pp.319-328.

- Kewen Zhao, Neighborhood conditions and Hamiltonian-connected graphs, *Journal of Interdisciplinary Mathematics* **16** (2012), no.2-3, 137-145
- Kewen Zhao, Lili Zhang, Hamiltonian graphs involving neighborhood conditions *Ars Combinatoria*, Vol. **105** (2012), pp. 161-170
- Kewen Zhao, Yue Lin, Sufficient conditions and Hamiltonian graphs involving distances, *Russian Mathematics* Vol. **56** (2011), no.4, pp.35-43.
- Kewen Zhao, [Ronald. Gould](#), A note on the Song-Zhang Theorem for Hamiltonian graphs, *Colloquium Math.* Vol.**120** (2010), no.1, 63-75.
- Kewen Zhao, Yue Lin, Degree with Neighborhood Conditions and Highly Hamiltonian Graphs, *Acta Appl. Math.*, Vol. **109** (2010),no.2,487-493
- Kewen Zhao, Yue Lin, Ping Zhang, A Sufficient Condition for Pancyclic Graphs, *Information Processing Letters*, Vol.**109** (2009),no.16,991-996.
- Kewen Zhao,. Pan-connectedness of graphs with large neighborhood unions. *Monatsh. Math.* Vol.156 (2009), no. 3, 279--293.
- Kewen Zhao, Hongjian Lai, Ju Zhou, Hamiltonian-connected graphs, *Computers & Mathematics with Applications* Vol.55 (2008), no. 12, 2707--2714.
- Jin Yan, Kewen Zhao, Hongjian Lai, New sufficient conditions for s-Hamiltonian graphs and s-Hamiltonian connected graphs. *Ars Combinatoria*, Vol.88 (2008), 217--227.
- Kewen Zhao, Generalizing Sufficient Conditions and Traceable Graphs, *Lecture Notes in Computer Science*, Springer 7389, pp. 198-205.
- 22. Yue Lin, Kewen Zhao, Dynamic coloring of planar graphs. *J. Zhengzhou Univ.* Vol. 42 (2010), no. 3, 34--36.
- Kewen Zhao, A conjecture of claw-free Hamiltonian graphs with neighborhood union. *Int. J. Pure Appl. Math.* Vol. 32 (2006), no. 4, 427--434.
- Deqin Chen, Kewen Zhao, Dirac type condition and Hamiltonian-connected graphs, *Quaestiones Mathematicae* **34** (2011), no.4, 521-525
- Kewen Zhao, A simple proof of Whitney's theorem on connectivity in graphs, *Mathematica Bohemica* Vol.136(2011) , no.1, pp. 25-26.
- Kewen Zhao, Dirac type condition and Hamiltonian graphs, *Serdica Mathematical Journal* **37**(2011), no.4, 277-282
- Kewen Zhao, Two types of Path Structures of graphs, *J. Information & Optimization Sciences* Vol. 32(2011), no.6, 1259-1268.
- Kewen Zhao, Generalizing Sufficient Conditions and Traceable Graphs, *Lecture Notes in Computer Science*, Graph Theory and Algorithms in 8th ICIC, Springer 7389, pp. 198-205.
- Kewen Zhao, Deqin Chen, Yue Lin, Some new sufficient conditions and Hamiltonian connected graphs, *Procedia Engineering* Vol. 24(2011), 278--281.
- Kewen Zhao, Hongjian Lai, Hamiltonian-Connected Graphs with Large Neighborhoods and Degrees, *Missouri J. Mathematical Sciences* Vol. 24(2011), no.1, 54-66.
- Kewen Zhao, Deqin Chen, A $K(1,3)$ -free Hamiltonian Graphs, *Computers Sciences*,**34** (2007),no.8
- Kewen Zhao, New sufficient condition and Hamiltonian and traceable, *J. Discrete Mathematical Sci. Crypto.* 14 , 6, 221-232
- Kewen Zhao, Kewen Zhao, Neighborhood union conditions and Cycles through specified vertices, *East Journal of Mathematical Sciences* Vol. 59 , 2, 197-200
- Kewen Zhao, Hongjian Lai, New sufficient condition for Hamiltonian graphs. *Appl. Math. Lett.* Vol. 20 (2007), no. 1, 116--122.
- Kewen Zhao, Deqin Chen, Essential independent condition for graphs to be Hamiltonian, *China Engineering Sciences* **5** (2007)no.2, 184-191
- [Ronald. Gould](#), Kewen Zhao, A new sufficient condition for Hamiltonian graphs. *Arkiv för matematik.* Vol. **44** (2006), no.2, 299--308.
- Kewen Zhao, Bolian Liu, A neighborhood condition for vertices at distance two implying Hamiltonicity. *Soochow J. Math* Vol. 32 (2006), no. 1, 171--177.
- Kewen Zhao, A conjecture of claw-free Hamiltonian graphs with neighborhood union, *Int. J. Pure Appl. Math.***32**(2006),no.4
- Kewen Zhao, Neighborhood conditions and Hamiltonian paths in graphs, *Int.J.Pure Appl. Math.*31(2006),no.4

- Kewen Zhao, Hamilton with Neighborhood conditions, *Sci. Thechnology and Engineering*, **6**(2006),no.8,
- Kewen Zhao, One Result of the Structure of λ Divided Cantor Set Equally, *J.Jish Univ.*,**27**(2006),no 4
- Kewen Zhao, Exponent sets of some type symmetric primitive and general matrices with d loops, *J.Gui* One improvement of Bondy's theorem pancyclic graphs, *Pure. Appl. Math.***22**(2006),no 1,
- Kewen Zhao, Zu Li, , Generalized Sperner family, *Sci. Info.* 42 (2006) , no. 1
- Kewen Zhao, Deqin Chen, Some classes of exponent sets of symmetric primitive matrix with trace nonzero, *Pure. Appl. Math.*., **21**(2005),no 4,
- Kewen Zhao, Generalising the condition of Faudree *et al.* and Hamiltonian-connected, *J. Science and Technology* **9**(2005),no 2,
- Kewen Zhao, A new improved result on pancyclic graphs concerning a conjecture, *Journal of Applied Sciences* (Chinese: 《应用科学学报》) **21** (2003) , no.1
- Kewen Zhao, Yan Wu, Sufficient conditions for Hamiltonian and Hamiltonian-connected graphs, *Journal of Applied Sciences* (Chinese: 《应用科学学报》) **21** (2003) , no.4
- Kewen Zhao, Exponent sets of small primitive matrix on d loop vertices, *College Math.* **21**(2005) , no. 3
- Kewen Zhao, Note on one sufficient condition of Hamiltonian, *J. Gansu Sciences*, **16**(2004) , no. 4
- Kewen Zhao, Note on the Theorem of Ore type and neighborhood,,*Science.Thechnology and Engineering*, **4**(2004) , no. 8
- Kewen Zhao, Feng Han, Conjecture of $K_{1,3}$ -free graphs, *Science.Thechnology and Engineering*, **4**(2004) , no. 10
- Kewen Zhao, A new sufficient condition for Hamiltonian graphs, *J. Lanzhou Univ. Technol.* **30** (2004), no. 2
- Kewen Zhao, Hamiltonian graphs with neighborhood , *《工程数学学报》* **21** (2004), no. 4
- Kewen Zhao, Note on Hamiltonian connected graphs, *《工程数学学报》* **20** (2003), no. 2
- Kewen Zhao, Hamilton-connected graphs with neighborhood union conditions, *Pure. Appl. Math.* **19** (2003), no. 1
- Kewen Zhao, Pathconnected graphs with neighborhood union conditions, *J. Jilin Univ. Sci.* **41** (2003), no. 2
- Kewen Zhao, Note on Faudree-Schelp theorem in path connected graphs and Ore theorem., *Chinese Quart. J. Math.* **18** (2003), no. 2
- Kewen Zhao, Hamilton-connected graphs with neighborhood unions, *J. Information Engineering Univ.*,**4**(2003) , no. 2
- Kewen Zhao, Note on three important results of exponent sets of primitive matrices, *Science.Thechnology and Engineering*,**3**(2003) , no. 3
- Kewen Zhao, A note on Hamiltonian connected graphs, *Science.Engineering*,(2003) , no. 4
- Kewen Zhao, Neighborhood unions and pancyclic graphs, *Math. Practice Theory* **33** (2003), no. 6
- Kewen Zhao, New sufficient condition for Hamiltonian graphs. *China Engineering Sciences* (Chinese: 《中国工程科学》) **5** (2003), no. 11
- Kewen Zhao, Hamiltonian graphs and the weak Ore condition, *Math. Practice Theory* **32** (2002), no. 2
- Kewen Zhao, A conjecture on arboricity of graphs graphs, *Heilongjiang Daxue Ziran Kexue Xuebao* **19** (2002), no.4
- Kewen Zhao, A note on a sufficient condition for Hamiltonian, *J. Lanzhou Univ. Nat. Sci.* **38** (2002), no. 2
- Kewen Zhao, A result of Hamilton-connected graphs, *J.Qiongzhou Univ.*,**9**(2002) , no. 4
- Kewen Zhao, The theorem of path connected graphs and conditions, *J. Math. Study* **35** (2002), no. 4
- Kewen Zhao, The strong Theorem of Faudree-Schelp, *J.Math. Technology*,**18** (2002) , no. 5
- Kewen Zhao, A simple proof for the Bondy theorem on pancyclic graphs, *Chinese Quart. J. Math.* **17** (2002), no. 2
- Kewen Zhao, A simple proof for the exponent set of symmetric primitive matrices showed in S S, *Math. Appl.* **15** (2002), no. 2
- Kewen Zhao, A simple proof that a still smaller class of primitive matrices with exponent sets, *J.Huaqiao Uni* **22**(2001) , no. 2
- Kewen Zhao, A simple proof for more small class of primitive matrices containing, *J. Huaqiao Univ. Nat. Sci. Ed.* **22** (2001), no. 2
- Kewen Zhao, A short proof for the generalizing Katona-Kleitman theorem,《*数学年刊*》**22** (200 Hamiltonianness under a weakened Ore condition, *J. Hebei Univ. Nat. Sci.* **21** (2001), no. 4
- Kewen Zhao, Simple proof for Ore theorem, *J.Shanxi Univ.*, **24**(2001) , no. 3
- Kewen Zhao, A simople proof of Fan Theorem, *J.Northeast Nor.Univ.*,**33** (2001) , no. 2
- Kewen Zhao, A less primitive matrices with the same exponent set, *J.Guangxi Univ.*,**26**(2001) , no. 4
- Kewen Zhao,Guangzhang Hu, Panconnected graphs, *J.Northeast Nor.Univ.*(2001) , no. 12
- Kewen Zhao, Feng Han, Hamiltonian on the progress of Ore conditions, *J.HebeiUniv.*,**21**(2001) , no. 4
- Kewen Zhao, A simple proof of generalized 20partition family of subsets, *J.Henan Univ.*,**30**(2000) , no. 2

- Kewen Zhao, Complete Characterization of Extreme Graphs of Classical Holladay-Verga Theorem, *Nature Journal* (Chinese: 《自然杂志》) 23 (2001), no. 5
- Kewen Zhao, The progress on panconnected graphs..., *吉林大学学报(工学版)* **31** (2001), no. 4
- Kewen Zhao, Feng Han, Studying on Hamiltonian and pancyclic graphs, *J.Yanshan Univ.*, **25**(2001), no. 3
- Kewen Zhao, A short proof for “On the panconnectivity of Ore graph”, *南开大学学报(自然科学版)*, **34** (2001), no. 4
- Kewen Zhao, Taidao Chen, A new better sufficient condition and Hamiltonian graphs, *天津大学学报*, **35** (2001), no. 5
- Kewen Zhao, The Improvement of Some Results on 2-Connected..., *吉林大学学报(理学版)*, **33**(2001), no. 1
- Kewen Zhao, Hamiltonian ,generalization of K-K theorem, *J.Guizhou Univ.*, **17**(2000), no. 3
- Kewen Zhao, Guangzhang Hu, A simple proof for well-known Fan result, *J.Guizhou Univ.*, **17**(2000), no. 4
- Kewen Zhao, Feng Han, Hamiltonian graphs and a sufficient condition, *J.Northeast Nor.Univ.*(2000), no. 12
- Kewen Zhao, A short proof for the k -partition theorem of family subsets, *吉林大学学报(理学版)* **32**(2000), no. 2
- Kewen Zhao, panconnected graphs with sum of two vertices degree number, *J.Shanxi Univ.*, **23**(2000), no. 1
- Kewen Zhao, Pancyclic graphs and NC, *J. Lanzhou Railw.Univ. Nat. Sci.* **19** (2000), no. 3
- Kewen Zhao, Guangzhang Hu, Hamiltonian graphs and its sufficient conditions, *J.Nanchang Univ.*, **22**(2000), no. 4
- Kewen Zhao, Pancyclic’s Progress with neighborhood union, *哈尔滨工程大学学报* **21** (2000), no. 5
- Kewen Zhao, Feng Han, Progress on pancyclicity involving NC, *哈尔滨工业大学学报*, **31**, no. 5
- Kewen Zhao, Feng Han. Neighborhood unions conditions for pancyclic graphs, *哈尔滨工业大学学报*, **32** (2000), no. 6
- Kewen Zhao, A Progress on Hamiltonian graphs, *J.Qiongzhou Univ.*, **6**(1999), no. 1
- Kewen Zhao, Pancyclic graphs and NC_k , *Natur. Sci. J. Harbin Normal Univ.*, **15** (1999), no. 6
- Kewen Zhao, Hamiltonian and Neighborhood unions, *Nat.Sci.J.Hainan Univ.* **17**(1999), no. 1
- Kewen Zhao, A sufficient condition for Hamiltonian graphs, *J.GuangdongPoly.Nor.Univ.* **13**(1999), no. 4
- Kewen Zhao, Dachao Li, One result on strong hamiltonian graphs, *J.Heilongjiang Comm.College* **15**(1999), no. 2