

Curriculum Vitae

Gennian Ge

Department of Mathematics

Zhejiang University

Hangzhou 310027, Zhejiang

P.R. China

Email: gnge@zju.edu.cn

Tel: (+86-571) 87953674, Fax: (+86-571) 87953794

Personal information

Date of Birth: February, 1969

Place of Birth: Yancheng City, Jiangsu Province, China

Citizenship: Chinese

Degrees held

Bmath, Department of Mathematics, Nanjing Normal University, 1990.

MSc, Department of Mathematics, Suzhou University, 1993. Thesis title: On the existence of Room frames of type t^u for $u = 4$ and 5 .

PhD, Department of Mathematics, Suzhou University, 1996. Thesis title: Authentication perpendicular arrays and related designs.

Awards

Marshall Hall Medal, awarded by the Institute of Combinatorics and Its Applications, 2006.

Academic positions

Lecturer: Department of Mathematics, Suzhou University, P. R. China, 1996.8-2000.6

Associate professor: Department of Mathematics, Suzhou University, P. R. China, 2000.7-2001.8

Postdoctoral fellow: Department of Computer Science, Concordia University, Canada, 2001.9-2002.8

Visiting assistant professor: Department of Computer Science, University of Vermont, USA, 2002.9-2004.2

Full professor: Department of Mathematics, Zhejiang University, P. R. China, 2004.3-

Editorial services

Member of editorial board of *Journal of Combinatorial Designs*, 2008–.

Member of editorial board of *Advances and Applications in Discrete Mathematics*, 2007–.

Member of editorial board of *The Open Mathematics Journal*, 2008–.

Member of editorial board of *International Journal of Combinatorics*, 2008–.

Research interests

Combinatorial designs theory: Room squares, mutually orthogonal Latin squares, t -designs, orthogonal and perpendicular arrays, group divisible designs, perfect Mendelsohn designs, Steiner cycle systems, resolvable designs, triplewhist tournaments, large set of Kirkman triple systems etc.

Coding theory: Group algebraic codes, duadic codes, optical orthogonal codes, constant weight codes, LDPC codes, FH sequences, Radar arrays etc.

Cryptography: Authentication codes, secret sharing schemes, public-key cryptosystems, signature schemes, hash functions, etc.

Statistics: Uniform designs, supersaturated designs, Bhaskar Rao designs, sampling designs etc.

Teaching and student supervision

Courses taught (since 1996)

Abstract algebra
Linear algebra
Elementary number theory
Algebraic combinatorics
Combinatorial designs theory
Coding theory
Finite Fields
Enumerative combinatorics
Algebraic number theory
Finite groups and its representations
Cryptography
Elliptic curves

PhD students supervised

Xiande Zhang, Zhejiang University, PhD student, September, 2004–.
Xianwei Sun, Zhejiang University, PhD student, September, 2005–.
Hui Zhang, Zhejiang University, PhD student, September, 2007–.
Mingzhi Zhu, Zhejiang University, PhD student, September, 2008–.

Master students supervised

Zhongxiang Yao, MMath, 2007 (Department of Mathematics, Zhejiang University).
Thesis title: *Optimal Frequency Hopping Sequences: Auto- and Cross-Correlation Properties.*

Rucong Zhang, MMath, 2007 (Department of Mathematics, Zhejiang University).
Thesis title: *Grid-Block Designs with Applications to DNA Library Screening.*

Weidong Guo, MMath, 2008 (Department of Mathematics, Zhejiang University).
Thesis title: *Two Classes of Combinatorial Configurations in Cryptography and Bioinformatics.*

Dawei Huang, MMath, 2008 (Department of Mathematics, Zhejiang University).
Thesis title: *Monotonic Directed Designs.*

Jianfeng Shen, MMath, 2008 (Department of Mathematics, Zhejiang University).

Thesis title: *Routings in Optical Networks and Optimal Constant-Composition Codes of Weight Four*.

Xiao Feng, Zhejiang University, MMath student, September, 2007–.

Fei Gao, Zhejiang University, MMath student, September, 2008–.

Universities visited

1999.8.1 - 1999.9.30: Mount Saint Vincent University, Canada.

2001.2.1 - 2001.6.30: Hong Kong Baptist University, Hong Kong.

2002.7.14 - 2002.7.29: Mount Saint Vincent University, Canada.

2002.8.5 - 2002.8.18: Memorial University of Newfoundland, Canada.

2004.6.30 - 2004.8.1: University of Tsukuba, Japan.

2005.1.8 - 2005.2.28: Hong Kong Baptist University, Hong Kong.

2005.7.15 - 2005.9.4: The University of Hong Kong, Hong Kong.

2006.12.19 - 2006.12.23: National University of Singapore, Singapore.

2007.4.22 - 2007.5.4: The University of Western Australia, Australia.

2008.7.7 - 2008.8.30: Nanyang Technological University, Singapore.

Research funds obtained

1997.1.-1999.12.: Natural Science Foundation of Jiangsu Province.

2001.1.-2003.12.: National Natural Science Foundation of China under Grant No. 10001026.

2005.1.-2006.12.: The Scientific Research Foundation for the Returned Overseas Chinese Scholars, State Education Ministry.

2005.1.-2007.12.: National Natural Science Foundation of China under Grant No. 10471127.

2005.1.-2007.12.: Natural Science Foundation of Zhejiang Province.

2008.1.-2010.12.: National Natural Science Foundation of China under Grant No. 10771193.

2008.1.-2010.12.: The Scientific Research Foundation for New Century Excellent Talents in University.

2009.1.-2012.12.: National Outstanding Youth Science Foundation of China under Grant No. 10825103.

Professional service

- External Examiner for Ph.D. Thesis “Combinatorial Designs via Association Scheme” by Yonglin Zhang, Department of Mathematics, Hong Kong Baptist University, Kowloon Tong, Hong Kong, China, 2004.
- External Examiner for Ph.D. Thesis “Large set of graph design” by Yanfang Zhang, Department of Mathematics, Hebei Normal University, Shijiazhuang 050016, Hebei, China, 2004.
- External Examiner for Ph.D. Thesis “Congruences, enumeration and applications of certain combinatorial sequences” by Qinglin Lu, Department of Mathematics, Nanjing University, Nanjing 210093, Jiangsu, China, 2004.
- External Examiner for Ph.D. Thesis “Combinatorial Properties of Uniform Designs and Their Applications in the Constructions of Low-discrepancy Designs” by Yu Tang, Department of Mathematics, Hong Kong Baptist University, Kowloon Tong, Hong Kong, China, 2005.
- External Examiner for Ph.D. Thesis “Combinatorial Constructions for Deletion and Insertion-Correcting Codes” by Jianmin Wang, Department of Mathematics, Suzhou University, Suzhou 215006, Jiangsu, China, 2005.
- External Examiner for Ph.D. Thesis “Combinatorial Properties and Constructions of Uniform Designs” by Yu Tang, Department of Mathematics, Suzhou University, Suzhou 215006, Jiangsu, China, 2005.
- External Examiner for Ph.D. Thesis “Kirkman Holey Packings and Coverings” by Chengmin Wang, Department of Mathematics, Suzhou University, Suzhou 215006, Jiangsu, China, 2007.
- External Examiner for Ph.D. Thesis “Generalized Doubly Resolvable Packing and the Corresponding Codes” by Jie Yan, Department of Mathematics, Suzhou University, Suzhou 215006, Jiangsu, China, 2007.
- External Examiner for Ph.D. Thesis “Some Results in Additive Combinatorics” by Song Gao, Department of Mathematics, Nanjing University, Nanjing 210093, Jiangsu, China, 2007.
- External Examiner for Ph.D. Thesis “Zero-sum Sequences and p-adic Congruences” by Hui-Qin Cao, Department of Mathematics, Nanjing University, Nanjing 210093, Jiangsu, China, 2007.

- External Examiner for Ph.D. Thesis “Large sets of Hamilton cycle and path decompositions” by Hongtao Zhao, Department of Mathematics, Hebei Normal University, Shijiazhuang 050016, Hebei, China, 2007.

- Referee for the Journals:

Discrete Mathematics

Discrete Applied Mathematics

Journal of Combinatorial Designs

Journal of Statistical Planning and Inference

Graph and Combinatorics

IEEE Communications Letters

IEEE Transactions on Information Theory

Designs Codes and Cryptography

Australasian Journal of Combinatorics

Bulletin of the Institute of Combinatorics and its Applications

Ars Combinatoria

Utilitas Mathematica

SIAM Journal on Discrete Mathematics

Journal of Combinatorial Theory Series A

Networks

Science in China Series A-Mathematics

Acta Mathematica Sinica

Acta Mathematicae Applicatae Sinica

Refereed journal papers

[1] Ge Gennian and Zhu Lie, *On the existence of Room frames of type t^u for $u = 4$ and 5* , J. Combin. Designs **1** (1993), 183-191.

[2] G. Ge and L. Zhu, *Existence of Room frames of type $2^n u^1$* , J. Combin. Math. Combin. Comput. **18** (1995), 65-82.

[3] G. Ge and L. Zhu, *Existence of almost resolvable directed 5-cycle systems*, Australasian J. Combin. **11** (1995), 181-195.

[4] Xu Yungqing, Ge Gennian and Zhu Lie, *Existence of SOLS with holes of type $2^n u^1$* , J. Stat. Plan. Infer. **51** (1996), 293-307. (**SCI Search**)

[5] G. Ge and L. Zhu, *Authentication perpendicular arrays $APA_1(2, 5, v)$* , J. Combin. De-

- signs **4** (1996), 365-375. (**SCI Search**)
- [6] G. Ge and L. Zhu, *Authentication perpendicular arrays $APA_1(2, 7, v)$* , J. Combin. Designs **5** (1997), 111-124. (**SCI Search**)
- [7] K. Chen, G. Ge and L. Zhu, *Generalized Steiner triple systems with group size five*, J. Combin. Designs **7** (1999), 441-452. (**SCI Search**)
- [8] Chang Yanxun and Ge Gennian, *Some new large sets of $KTS(v)$* , Ars Combinatoria **51** (1999), 306-312. (**SCI Search**)
- [9] K. Chen, G. Ge and L. Zhu, *Starters and related codes*, J. Statist. Plan. Infer. **86** (2000), 379-395. (**SCI Search**)
- [10] G. Ge, *Generalized Steiner triple systems with group size $g \equiv 1, 5 \pmod{6}$* , Australasian J. Combin. **21** (2000), 37-47.
- [11] G. Ge, *Optimal optical orthogonal code*, Journal of China Institute of Communications **21** (7) (2000), 72-75.
- [12] G. Ge, *All $V(3, t)$'s exist for $3t+1$ a prime power*, J. Combin. Math. Combin. Comput. **34** (2000), 197-202.
- [13] D. Wu, G. Ge and L. Zhu, *Generalized Steiner triple systems with group size $g = 7, 8$* , Ars Combinatoria **57** (2000), 175-191. (**SCI Search**)
- [14] G. Ge, *Uniform frames with block size four and index one or three*, J. Combin. Designs **9** (2001), 28-39. (**SCI Search**)
- [15] G. Ge, *On the existence of Room frames of type 2^nu^1* , J. Statist. Plan. Infer. **94** (2001), 219-230. (**SCI Search**)
- [16] G. Ge, *Existence of holey LSSOM of type 2^n with application to G_7 -packings of K_v* , J. Statist. Plan. Infer. **94** (2001), 211-218. (**SCI Search**)
- [17] R. J. R. Abel, G. Ge, M. Greig and L. Zhu, *Resolvable balanced incomplete block designs with a block size of 5*, J. Stat. Plan. Infer. **95** (2001), 49-65. (**SCI Search**)
- [18] G. Ge and L. Zhu, *Frame constructions for Z -cyclic triplewhist tournaments*, Bull. Inst. Combin. Appl. **32** (2001), 53-62.
- [19] D. Wu, G. Ge and L. Zhu, *Generalized Steiner systems $GS_4(2, 4, v, g)$ for $g = 2, 3, 6$* , J. Combin. Designs **9** (2001), 401-423. (**SCI Search**)
- [20] G. Ge and R. J. R. Abel, *Some new HSOLSSOMs of types h^n and 1^mu^1* , J. Combin. Designs **9** (2001), 435-444. (**SCI Search**)
- [21] Gennian Ge and Jianxing Yin, *Constructions for optimal $(v, 4, 1)$ optical orthogonal codes*, IEEE Trans. Inform. Theory **47** (2001), 2998-3004. (**SCI Search**)
- [22] G. Ge, *More directed GDDs with block size five*, Utilitas Math. **60** (2001), 241-248. (**SCI Search**)
- [23] R. J. R. Abel, F. E. Bennett and G. Ge, *Almost resolvable perfect Mendelsohn designs*

- with block size five, *Discrete applied Maths.* **116** (2002), 1-15. ([SCI Search](#))
- [24] Gennian Ge, *Resolvable group divisible designs with block size four*, *Discrete Maths.* **243** (2002), 109-119. ([SCI Search](#))
- [25] R. J. R. Abel, F. E. Bennett and G. Ge, *Resolvable perfect Mendelsohn designs with block size five*, *Discrete Maths.* **247** (2002), 1-12. ([SCI Search](#))
- [26] G. Ge, *Further results on the existence of generalized Steiner triple systems with group size $g \equiv 1, 5 \pmod{6}$* , *Australasian J. Combin.* **25** (2002), 19-28.
- [27] F. E. Bennett, G. Ge, H. Zhang and L. Zhu, *Holey Steiner pentagon systems and related designs*, *J. Statist. Plan. Infer.* **106** (2002), 353-373. ([SCI Search](#))
- [28] R. J. R. Abel, F. E. Bennett, G. Ge and L. Zhu, *Existence of Steiner seven-cycle systems*, *Discrete Maths.* **252** (2002), 1-16. ([SCI Search](#))
- [29] R. J. R. Abel, F. E. Bennett and G. Ge, *The existence of four HMOLS with equal sized holes*, *Designs, Codes and Cryptography* **26** (2002), 7-31. ([SCI Search](#))
- [30] G. Ge and R.S. Rees, *On group-divisible designs with block size four and group-type $g^u m^1$* , *Designs, Codes and Cryptography* **27** (2002), 5-24. ([SCI Search](#))
- [31] G. Ge, R.S. Rees and L. Zhu, *Group-divisible designs with block size four and group-type $g^u m^1$ with m as large or as small as possible*, *J. Combin. Theory (A)* **98** (2002), 357-376. ([SCI Search](#))
- [32] Kaitai Fang, Gennian Ge and Minqian Liu, *Uniform supersaturated design and its construction*, *Science in China (A)* **45** (2002), 1080-1088. ([SCI Search](#))
- [33] G. Ge, *Generalized Steiner triple systems with group size $g \equiv 0, 3 \pmod{6}$* , *Acta mathematicae applicatae sinica* **18** (2002), 561-568.
- [34] Kaitai Fang, Gennian Ge and Minqian Liu, *Construction of $E(f_{NOD})$ -optimal supersaturated designs via Room squares*, *Calcutta Statistical Association Bulletin* **52** (2002), 71-84.
- [35] Kaitai Fang, Gennian Ge, Minqian Liu and Hong Qin, *Construction of minimum generalized aberration designs*, *Metrika* **57** (2003), 37-50. ([SCI Search](#))
- [36] G. Ge and C. W. H. Lam, *Some new triplewhist tournaments $TWh(v)$* , *J. Combin. Theory (A)* **101** (2003), 153-159. ([SCI Search](#))
- [37] G. Ge and C. W. H. Lam, *Resolvable group divisible designs with block size four and group size six*, *Discrete Maths.* **268** (2003), 139-151. ([SCI Search](#))
- [38] G. Ge and C. W. H. Lam, *Bhaskar Rao designs with block size four*, *Discrete Maths.* **268** (2003), 293-298. ([SCI Search](#))
- [39] D. Wu and G. Ge, *Generalized Steiner systems $GS_4(2, 4, v, 4)$* , *J. Combin. Math. Combin. Comput.* **45** (2003), 183-193.
- [40] G. Ge and D. Wu, *Generalized Steiner triple systems with group size ten*, *Journal of mathematical research and exposition* **23** (2003), 391-396.

- [41] Gennian Ge, J. Wang and R. Wei, *MGDD with block size 4 and its application to sampling designs*, Discrete Maths. **272** (2003), 277-283. ([SCI Search](#))
- [42] Gennian Ge and Alan C.H. Ling, *A new construction for Z-cyclic whist tournaments*, Discrete applied Maths. **131** (2003), 643-650. ([SCI Search](#))
- [43] G. Ge and D. Wu, *4-^{*}GDDs(3ⁿ) and generalized Steiner systems GS(2, 4, v, 3)*, J. Combin. Designs **11** (2003), 381-393. ([SCI Search](#))
- [44] Gennian Ge, Malcolm Greig and Jennifer Seberry, *Generalized Bhaskar Rao designs with block size 4 signed over elementary Abelian groups*, J. Combin. Math. Combin. Comput. **46** (2003), 3-45.
- [45] Kaitai Fang, Gennian Ge and Minqian Liu, *Construction of optimal supersaturated designs by the packing method*, Science in China (A) **47** (2004), 128-143. (Chinese version **33** (2003), 446-458.) ([SCI Search](#))
- [46] Gennian Ge and C. W. H. Lam, *Super-simple resolvable balanced incomplete block designs with block size 4 and index 3*, J. Combin. Designs **12** (2004), 1-11. ([SCI Search](#))
- [47] Gennian Ge, *Mandatory representation designs MRD({4, k}; v) with k ≡ 1 mod 3*, Discrete Maths. **275** (2004), 319-329. ([SCI Search](#))
- [48] Gennian Ge, C. W. H. Lam and Alan C.H. Ling, *Some new uniform frames with block size four and index one or three*, J. Combin. Designs **12** (2004), 112-122. ([SCI Search](#))
- [49] Gennian Ge and Alan C.H. Ling, *Some more 5-GDDs and optimal (v, 5, 1)-packings*, J. Combin. Designs **12** (2004), 132-141. ([SCI Search](#))
- [50] K. T. Fang and G. Ge, *A sensitive algorithm for detecting the inequivalence of Hadamard matrices*, Math. Comput. **73** (2004), 843-851. ([SCI Search](#))
- [51] Frank E. Bennett, Yanxun Chang, Gennian Ge and Malcolm Greig, *Existence of (v, {5, w^{*}}, 1)-PBDs*, Discrete Maths. **279** (2004), 61-105. ([SCI Search](#))
- [52] Kaitai Fang, Gennian Ge, Minqian Liu and Hong Qin, *Combinatorial constructions for optimal supersaturated designs*, Discrete Maths. **279** (2004), 191-202. ([SCI Search](#))
- [53] Gennian Ge and Alan C.H. Ling, *A survey on resolvable group divisible designs with block size four*, Discrete Maths. **279** (2004), 225-245. ([SCI Search](#))
- [54] Gennian Ge and R.S. Rees, *On group-divisible designs with block size four and group-type 6^um¹*, Discrete Maths. **279** (2004), 247-265. ([SCI Search](#))
- [55] Gennian Ge and R. Wei, *HGDDs with block size four*, Discrete Maths. **279** (2004), 267-276. ([SCI Search](#))
- [56] Gennian Ge and C. W. H. Lam, *Whist tournaments with the three person property*, Discrete applied Maths. **138** (2004), 265-276. ([SCI Search](#))
- [57] Gennian Ge, *More large sets of KTS(v)*, J. Combin. Math. Combin. Comput. **49** (2004), 211-214.

- [58] Gennian Ge and Alan C.H. Ling, *Group divisible designs with block size four and group type $g^u m^1$ with small g* , Discrete Maths. **285** (2004), 97-120. ([SCI Search](#))
- [59] Gennian Ge and Alan C.H. Ling, *A systematic approach to some block design constructions*, J. Combin. Theory (A) **108** (2004), 89-97. ([SCI Search](#))
- [60] Kaitai Fang, Gennian Ge, Minqian Liu and Hong Qin, *Construction of uniform designs via super-simple resolvable t -designs*, Utilitas Math. **66** (2004), 15-32. ([SCI Search](#))
- [61] Gennian Ge and Alan C.H. Ling, *Group divisible designs with block size four and group type $g^u m^1$ with minimum m* , Designs, Codes and Cryptography **34** (2005), 117-126. ([SCI Search](#))
- [62] Gennian Ge and Alan C.H. Ling, *Asymptotic results on the existence of 4-RGDDs and uniform 5-GDDs*, J. Combin. Designs **13** (2005), 222-237. ([SCI Search](#))
- [63] Gennian Ge, C. W. H. Lam, Alan C.H. Ling and Hao Shen, *Resolvable maximum packings with quadruples*, Designs, Codes and Cryptography **35** (2005), 287-302. ([SCI Search](#))
- [64] Gennian Ge and Dianhua Wu, *Some new optimal quaternary constant weight codes*, Science in China (F) **48** (2005), 192-200. ([SCI Search](#))
- [65] Gennian Ge, Ying Miao and Lihua Wang, *Combinatorial constructions for optimal splitting authentication codes*, SIAM J. Discrete Math. **18** (2005), 663-678. ([SCI Search](#))
- [66] Gennian Ge and Alan C.H. Ling, *Constructions of quad-rooted double covers*, Graphs and Combinatorics **21** (2005), 231-238. ([SCI Search](#))
- [67] R. J. R. Abel and Gennian Ge, *Some Difference Matrix Constructions and an Almost Completion for the Existence of Triplewhist Tournaments $TWh(v)$* , European J. Combin. **26** (2005), 1094-1104. ([SCI Search](#))
- [68] Gennian Ge, *On $(g, 4; 1)$ -difference matrices*, Discrete Maths. **301** (2005), 164-174. ([SCI Search](#))
- [69] Jean-Claude Bermond, Charles J. Colbourn, David Coudert, Gennian Ge, Alan C.H. Ling and Xavier Muñoz, *Traffic grooming in unidirectional wavelength-division multiplexed rings with grooming ratio $C = 6$* , SIAM J. Discrete Math. **19** (2005), 523-542. ([SCI Search](#))
- [70] Gennian Ge, E. R. Lamken and Alan C.H. Ling, *Scheduling CCRR Tournaments*, J. Combin. Theory (A) **113** (2006), 352-379. ([SCI Search](#))
- [71] Gennian Ge, *Resolvable group divisible designs with block size four and index three*, Discrete Maths. **306** (2006), 52-65. ([SCI Search](#))
- [72] R. Julian R. Abel, Norman J. Finizio, Gennian Ge and Malcolm Greig, *New Z -Cyclic Triplewhist Frames and Triplewhist Tournament Designs*, Discrete applied Maths. **154** (2006), 1649-1673. ([SCI Search](#))
- [73] F. E. Bennett and Gennian Ge, *Existence of Directedwhist Tournaments with the Three Person Property $3PDWh(v)$* , Discrete applied Maths. **154** (2006), 1939-1946. ([SCI Search](#))

- [74] Gennian Ge, Y. Miao and L. Zhu, *GOB Designs for Authentication Codes with Arbitration*, Designs, Codes and Cryptography **40** (2006), 303-317. (**SCI Search**)
- [75] Gennian Ge, Ryoh Fuji-Hara and Ying Miao, *Further Combinatorial Constructions for Optimal Frequency-Hopping Sequences*, J. Combin. Theory (A) **113** (2006), 1699-1718. (**SCI Search**)
- [76] Zhenfu Cao, Gennian Ge and Ying Miao, *Combinatorial characterizations of one-coincidence frequency-hopping sequences*, Designs, Codes and Cryptography **41** (2006), 177-184. (**SCI Search**)
- [77] Gennian Ge, *General frame constructions for Z -cyclic triplewhist tournaments*, J. Combin. Theory (A) **114** (2007), 747-760. (**SCI Search**)
- [78] Yu Tang, Mingyao Ai, Gennian Ge and Kai-Tai Fang, *Optimal Mixed-level Supersaturated Designs and a New Class of Combinatorial Designs*, J. Stat. Plan. Infer. **137** (2007), 2294-2301. (**SCI Search**)
- [79] Xiande Zhang and Gennian Ge, *Super-simple resolvable balanced incomplete block designs with block size 4 and index 2*, J. Combin. Designs **15** (2007), 341-356. (**SCI Search**)
- [80] Gennian Ge, Malcolm Greig, Jennifer Seberry and Ralph Seberry, *Generalized Bhaskar Rao designs with block size 3 over finite Abelian groups*, Graphs and Combinatorics **23** (2007), 271-290. (**SCI Search**)
- [81] Mingyao Ai, Gennian Ge and Ling-Yau Chan, *Circular Neighbor-balanced Designs Universally Optimal for Total Effects*, Science in China (A) **50** (2007), 821-828. (**SCI Search**)
- [82] Xiande Zhang and Gennian Ge, *Existence of Z -cyclic $3PDTWh(p)$ for prime $p \equiv 1 \pmod{4}$* , Designs, Codes and Cryptography **45** (2007), 139-155. (**SCI Search**)
- [83] Yang Li, Jianxing Yin, Rucong Zhang and Gennian Ge, *The decomposition of K_v into $K_2 \times K_5$'s*, Science in China (A) **50** (2007), 1382-1388. (**SCI Search**)
- [84] Gennian Ge, R.S. Rees and Nabil Shalaby, *Kirkman frames having hole type $h^u m^1$ for small h* , Designs, Codes and Cryptography **45** (2007), 157-184. (**SCI Search**)
- [85] Gennian Ge, *Triplewhist tournaments with the three person property*, J. Combin. Theory (A) **114** (2007), 1438-1455. (**SCI Search**)
- [86] Gennian Ge and Alan C.H. Ling, *On the existence of resolvable $K_4 - e$ designs*, J. Combin. Designs **15** (2007), 502-510. (**SCI Search**)
- [87] Xiande Zhang and Gennian Ge, *On the existence of partitionable skew Room frames*, Discrete Maths. **307** (2007), 2786-2807. (**SCI Search**)
- [88] Gennian Ge and Alan C.H. Ling, *On the existence of $(K_5 \setminus e)$ -designs with application to optical networks*, SIAM J. Discrete Math. **21** (2007), 851-864. (**SCI Search**)
- [89] Gennian Ge, Alan C.H. Ling and Ying Miao, *A Systematic Construction for Radar Arrays*, IEEE Trans. Inform. Theory **54** (2008), 410-414. (**SCI Search**)

- [90] Gennian Ge, Malcolm Greig, Alan C.H. Ling and R.S. Rees, *Resolvable balanced incomplete block designs with subdesigns of block size 4*, Discrete Maths. **308** (2008), 2674-2703. **(SCI Search)**
- [91] Gennian Ge, *Construction of optimal ternary constant weight codes via Bhaskar Rao designs*, Discrete Maths. **308** (2008), 2704-2708. **(SCI Search)**
- [92] R. Julian R. Abel, Frank E. Bennett and Gennian Ge, *Super-Simple Holey Steiner Pentagon Systems and Related Designs*, J. Combin. Designs **16** (2008), 301-328. **(SCI Search)**
- [93] Yeow Meng Chee, Gennian Ge and Alan C.H. Ling, *Group Divisible Codes and Their Application in the Construction of Optimal Constant-Composition Codes of Weight Three*, IEEE Trans. Inform. Theory **54** (2008), 3552-3564. **(SCI Search)**
- [94] R. Julian R. Abel, Frank E. Bennett and Gennian Ge, *Existence of Directed Triplewhist Tournaments with the Three Person Property $3PDTWh(v)$* , Discrete applied Maths. **156** (2008), 2655-2665. **(SCI Search)**
- [95] Yunqing Xu, Yanxun Chang, Gennian Ge and Hantao Zhang, *Frame self-orthogonal Mendelsohn triple systems of type h^n* , Discrete Maths. **308** (2008), 5049-5063. **(SCI Search)**
- [96] Gennian Ge, Martin Grüttmüller, Sven Hartmann and Rolf Rees, *Mandatory Representation Designs $MRD(4, k; v)$ with $k \equiv 2 \pmod{3}$* , Discrete Maths. **308** (2008), 5394-5406. **(SCI Search)**
- [97] Charles J. Colbourn, Gennian Ge and Alan C.H. Ling, *Graph Designs for the Eight-Edge Five-Vertex Graphs*, Discrete Maths., to appear. **(SCI Search)**
- [98] R. Julian R. Abel and Gennian Ge, *Ordered Tournaments and Ordered Triplewhist Tournaments with the Three Person Property*, J. Combin. Designs, to appear. **(SCI Search)**
- [99] R. J. R. Abel, Gennian Ge, Malcolm Greig and Alan C.H. Ling, *Further Results on $(v, \{5, w^*\}, 1)$ -PBDs*, Discrete Maths., to appear. **(SCI Search)**
- [100] Weidong Guo and Gennian Ge, *The Existence of Generalized Mix Functions*, Designs, Codes and Cryptography, to appear. **(SCI Search)**
- [101] Charles J. Colbourn, Hung-Lin Fu, Gennian Ge, Alan C.H. Ling and Hui-Chuan Lu, *Minimizing SONET ADMs in Unidirectional WDM Rings with Grooming Ratio 7*, SIAM J. Discrete Math., to appear. **(SCI Search)**
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