

O'REILLY-REGUEIRO, Eugenia

CITAS Tipo A (Citas externas)

14 Junio, 2023

237 - Citas externas registradas

A [1]: Regueiro, Eugenia O'Reilly.

Thesis Ph.D. Imperial College London. (2003)

1. Zhou, ShengLin & Dong, HuiLi. "Sporadic groups and flag-transitive triplanes". Science in China Series A: Mathematics 52, pp. 394–400 (2009) (scholar.google.com)
2. Dong, HuiLi& Zhou, ShengLin. "Affine groups and flag-transitive triplanes". Science China Mathematics 55, pp. 2557–2578 (2012) (scholar.google.com)
3. Bayat, Mohsen; and Alavi Seyed Hassan; and Daneshkhah, Ashraf. "Symmetric designs and projective special Linear Groups of small Rank". (2014) sid.ir (scholar.google.com)
4. Alavi, S. H. and Bayat, Mohsen and Daneshkhan, A. "Symmetric designs admitting flag-transitive and point-primitive automorphism groups associated to two dimensional projective special groups". Designs, Codes and Cryptography 79, 337–351 (2016) (scholar.google.com)
5. Alavi, S. H. and Bayat, Mohsen. "Flag transitive Point-primitive symmetric designs and three dimensional projective special linear groups". Bulletin of the Iranian Mathematical Society, Vol. 42 (2016), No. 1, pp. 201–221. (scholar.google.com)
6. Daneshkhah, A. and Zarin, S. Z. " Flag transitive point-primitive symmetric designs and three dimensional projective special unitary groups". Journal of the Korean Mathematical Society, Vol. 54, No. 6 pp. 2029–2041. (2017) (scholar.google.com)
7. Alavi, S. H. and Okhovat, N. and Daneshkhan, A. "On flag-transitive automorphism groups of symmetric designs". arXiv:1901.04198 (2019) (scholar.google.com)
8. Alavi, Seyed Hassan and Bayat, Mohsen and Daneshkhah, Ashraf. "Almost simple groups of Lie type and symmetric designs with λ prime". arXiv preprint arXiv:2002.04948 (2020) (scholar.google.com)
9. Bayat, M. "Symmetric designs and classical simple groups of dimension four". Submitted to the 12th Iranian Group Theory Conference. Tarbiat Modares University, Tehran, Iran (2020) (scholar.google.com)
10. Alavi, S. H.; Bayat, M. and Daneshkhah. "Finite exceptional groups of Lie Type and Symmetric designs". Discrete Mathematics, 345 (2022) 112894 (scholar.google.com)
11. Babaei, Raziye and Daneshkhah, Ashraf. "Symmetric designs with $\lambda \leq 10$ admitting flag-transitive and point-primitive almost simple automorphism groups". Discrete Mathematics, Vol. 346, (2023), No. 5, Paper No. 113325, 20.

A [2]: Regueiro, Eugenia O'Reilly.

On primitivity and reduction for flag-transitive symmetric designs.

**Journal of Combinatorial Theory. Series A. Vol. 109 (2005), No. 1, pp. 135–148.
0097-3165.**

1. Praeger, Cheryl E. and Zhou, Shenglin. "Imprimitive flag-transitive symmetric designs". *Journal of Combinatorial Theory. Series A*, Vol. 113, (2006), No. 7, pp.1381–1395. ISSN 0097-3165. (mathscinet)
2. Praeger, Cheryl E. "The flag-transitive symmetric designs with 45 points, blocks of size 12, and 3 blocks on every point pair". *Designs, Codes and Cryptography. An International Journal*, Vol. 44, (2007), No. 1-3, pp. 115–132 ISSN 0925-1022. (mathscinet)
3. Law, Maska and Praeger, Cheryl E. and Reichard, Sven. "Flag-transitive symmetric 2-(96, 20, 4)-designs". *Journal of Combinatorial Theory. Series A*, Vol. 116, (2009), No. 5, pp. 1009–1022. ISSN 0097-3165. (mathscinet)
4. Zhou, Shenglin and Dong, Huili and Fang, Weidong. "Finite classical groups and flag-transitive triplanes". *Discrete Mathematics*, Vol. 309, No. 16, (2009), pp. 5183–5195. ISSN 0012-365X. (mathscinet)
5. Zhou, Shenglin and Dong, Huili. "Sporadic groups and flag-transitive triplanes". *Science in China Series A: Mathematics* 52, pp. 394–400 (2009). (scholar.google.com)
6. Zhou, ShengLin and Dong, HuiLi. "Exceptional groups of Lie type and flag-transitive triplanes". *Science China. Mathematics*, Vol. 53, (2010), No. 2, pp. 447–456. ISSN 1674-7283. (mathscinet)
7. Fang, Weidong and Dong, Huili and Zhou, Shenglin. "Flag-transitive 2-($v, k, 4$) symmetric designs". *Ars Combinatoria*, Vol. 95, (2010), pp. 333-342. ISSN 0381- 7032. (mathscinet)
8. Zhou, Shenglin and Dong, Huili. "Alternating groups and flag-transitive triplanes". *Designs, Codes and Cryptography. An International Journal*, Vol. 57, (2010), No. 2, pp. 117–126. ISSN 0925-1022. (mathscinet)
9. Zhou, Shenglin & Tian, Delu. "Flag-transitive point primitive 2 – ($v, k, 4$) symmetric designs and two dimensional classical groups". *Applied Mathematics-A Journal of Chinese Universities* 26, pp. 334-341 (2011) (scholar.google.com)
10. Dong, HuiLi and Zhou, ShengLin. "Affine groups and flag-transitive triplanes". *Science China. Mathematics*. Vol. 55, (2012), No. 12, pp. 2557–2578, ISSN 1674-7283. (mathscinet)
11. Tian, Delu and Zhou, Shenglin. Flag-transitive point-primitive symmetric (v, k, λ) designs with λ at most 100". *Journal of Combinatorial Designs*, Vol. 21, (2013), No. 4, pp. 127–141. ISSN 1063-8539. (mathscinet)
12. Bayat Mohsen; alavi Seyed Hassan and Daneshkhah Ashraf. "Symmetric and projective special linear groups of small Rank". sid.ir (2014) (scholar.google.com)
13. Tian, Delu and Zhou, Shenglin. "Flag-transitive 2-(v, k, λ) symmetric designs with sporadic socle". *Journal of Combinatorial Designs*, Vol. 23, (2015), No. 4, pp. 140–150. ISSN 1063-8539. (mathscinet)
14. Zhou, Shenglin and Wang, Yajie. "Flag-transitive non-symmetric 2-designs with $(r, \lambda) = 1$ and alternating socle". *Electronic Journal of Combinatorics*. Vol. 22, (2015), No. 2, Paper 2.6, 15. (mathscinet)

15. Zhu, Yan and Guan, Haiyan and Zhou, Shenglin. "Flag-transitive $2-(v, k, \lambda)$ symmetric designs with $(k, \lambda) = 1$ and alternating socle". *Frontiers of Mathematics in China*, Vol. 10, (2015), No. 6, pp. 1483–1496. ISSN 1673-3452. (mathscinet)
16. Alavi, S. H. and Bayat, M. "Flag-transitive point-primitive symmetric designs and three dimensional projective special linear groups". *Bulletin of the Iranian Mathematical Society*, Vol. 42, (2016), No. 1, pp. 201–221. ISSN 1017-060X. (mathscinet)
17. Alavi, Seyed Hassan and Bayat, Mohsen and Daneshkhah, Ashraf. "Symmetric designs admitting flag-transitive and point-primitive automorphism groups associated to two dimensional projective special groups". *Designs, Codes and Cryptography. An International Journal*, Vol. 79, (2016), No. 2, pp. 337–351. ISSN 0925-1022. (mathscinet)
18. Cameron, Peter J. and Praeger, Cheryl E. "Constructing flag-transitive, point-imprimitive designs". *Journal of Algebraic Combinatorics. An International Journal*, Vol. 43, (2016), No. 4, pp. 755–769. ISSN 0925-9899.
19. Liang, Hongxue and Zhou, Shenglin. "Flag-transitive point-primitive automorphism groups of nonsymmetric $2-(v, k, 2)$ designs". *Journal of Combinatorial Designs*, Vol. 24, (2016), No. 9, pp. 421–435. ISSN 1063-8539. (mathscinet)
20. Yang, Xu and Liu, Weijun and Liu, Henry and Feng, Lihua. "Incidence graphs constructed from t -designs". *Applicable Analysis and Discrete Mathematics*. Vol. 10, (2016), No. 2, pp. 457–478. ISSN 1452-8630. (mathscinet)
21. Zhu, Yan and Tian, Delu and Zhou, Shenglin. "Flag-transitive point-primitive (v, k, λ) -symmetric designs with λ at most 100 and alternating socle". *Mathematica Slovaca*, Vol. 66, (2016), No. 5, pp. 1037–1046. ISSN 0139-9918. (mathscinet)
22. Biliotti, Mauro and Montinaro, Alessandro. "On flag-transitive symmetric designs of affine type". *Journal of Combinatorial Designs*, Vol. 25, (2017), No. 2, pp. 85–97. ISSN 1063-8539. (mathscinet)
23. Zhang, Xiaohong and Zhou, Shenglin. "Block-transitive and point-primitive $2-(v, k, 2)$ designs with sporadic socle". *Journal of Combinatorial Designs*. Vol. 25, (2017), No. 5, pp. 231–238. ISSN 1063-8539. (mathscinet)
24. Wang, Y. and Zhou, S. "Flag-transitive point-primitive $(v, k, 4)$ symmetric designs with exceptional socle of Lie type". *Bulletin of the Iranian Mathematical Society*, Vol. 43, (2017), No. 2, pp. 259–273. ISSN 1017-060X. (mathscinet)
25. Wang, Yajie and Zhou, Shenglin. "Symmetric designs admitting flag-transitive and point-primitive almost simple automorphism groups of Lie type". *Journal of Algebra and its Applications*, Vol. 16, (2017), No. 10, pp. 1750192, 13. ISSN 0219-4988. (mathscinet)
26. Daneshkhah, Ashraf and Zang Zarin, Sheyda. "Flag-transitive point-primitive symmetric designs and three dimensional projective special unitary groups". *Bulletin of the Korean Mathematical Society*, Vol 54, (2017), No. 6, pp. 2029–2041. ISSN 1015-8634. (mathscinet)
27. García-Vàzquez Patricio R. "Biplanes with a prime number of points and a Flag-transitive automorphism group of one-dimensional affine type". *Sociedad Matemática Mexicana, Memorias* 13, (2017), pp. 65–69. (scholar.google.com)
28. Chen Jianan; Zhou Shenglin. "Mathieu Group and Flag". *Mathematics and Physics, Theoretical mathematics*, Vol. 8, No. 1, (2018) (scholar.google.com)

29. Zhou, Shenglin and Zhan, Xiaoqin. "Flag-transitive automorphism groups of 2-designs with $\lambda \geq (r, \lambda)^2$ and an application to symmetric designs". *Ars Mathematica Contemporanea*, Vol. 14, (2018), No. 1, pp. 187–195. ISSN 1855-3966. (mathscinet)
30. Zhan, Xiaoqin and Zhou, Shenglin. A classification of flag-transitive point-imprimitive 2-designs with block size 6". *Journal of Combinatorial Designs*, Vol. 26, (2018), No. 4, pp. 174–153. ISSN 1063-8539. (mathscinet)
31. Dong, Huili and Zhao, Xianhe. "Sporadic simple groups and block-transitive symmetric designs". *Ars Combinatoria*, Vol. 136, (2018), pp. 227–233. ISSN 0381-7032. (mathscinet)
32. Liang, Hongxue and Zhou, Shenglin. "Flag-transitive point-primitive automorphism groups of non-symmetric 2-($v, k, 3$) designs". *Designs, Codes and Cryptography. An International Journal*, Vol. 86, (2018), No. 8, pp. 1757–1766. ISSN 0925-1022. (mathscinet)
33. Zhang, Zhilin and Zhou, Shenglin. "Flag-transitive point-quasiprimitive 2-($v, k, 2$) designs". *Designs, Codes and Cryptography. An International Journal*, Vol. 86, (2018), No. 9, pp. 1963–1971. ISSN 0925-1022. (mathscinet)
34. Zhan, Xiaoqin and Zhou, Shenglin and Chen, Guangzu. "Flag-transitive 2-($v, 4, \lambda$) designs of product type". *Journal of Combinatorial Designs*, Vol. 26, (2018), No. 9, pp. 455–462. ISSN 1063-8539. (mathscinet)
35. Zhang, Xiaohong and Zhou, Shenglin. "Sporadic finite simple groups and block designs". *Bulletin of the Belgian Mathematical Society. Simon Stevin*, Vol. 25, (2018), No. 4, pp. 495–506. ISSN 1370-1444. (mathscinet)
36. Zhou, Shenglin and Zhan, Xiaoqin. "Flag-transitive automorphism groups of 2-designs with $\lambda \geq (r, \lambda)^2$ and application to symmetric designs". *ARS Mathematica Contemporanea*, Vol. 14, No. 1 (2018) (scholar.google.com)
37. Zhu Yan. "Finite Classical Group and Primitive Flag-transitive Symmetric ($v, k, 5$) Designs". *Mathematical Theory and Applications*, (2018), 38 (1-2), pp. 12–23. (scholar.google.com)
38. Daneshkhah, Ashraf. "Unitary groups and symmetric designs". *10th Iranian Group Theory Conference*, 4-6 Bahman, 1396 (2018) (scholar.google.com)
39. Jianan Chen and Shenglin Zhou. "Mathieu Groups and Flag-Transitive 2 – (v, k, λ) Designs". *Pure Mathematics* (2018), Vol. 8 No. 1 pp. 47–54. (scholar.google.com)
40. Zhang, Zhilin and Zhou, Shenglin. "Flag-transitive point-quasiprimitive automorphism groups of 2-designs with $\lambda \leq 4$ ". *Discrete Mathematics*, Vol. 342, (2019), No. 2, pp. 427–432. ISSN 0012-365X. (mathscinet)
41. Zhan, Xiaoqin and Ding, Suyun. "Some infinite families of 2-designs from $PG(n, q)$ ". *Journal of Combinatorial Designs*, Vol. 27, (2019), No. 1, pp. 22–26. ISSN 1063-8539. (mathscinet)
42. Alavi, Seyed Hassan and Daneshkhah, Ashraf and Okhovat, Narges. "On flag-transitive automorphism groups of symmetric designs". *Ars Mathematica Contemporanea*, Vol. 17, (2019), No. 2, pp. 617–626. ISSN 1855-3966. (mathscinet)
43. Daneshkhah, Ashraf. "Symmetric designs and projective special unitary groups of dimension at most five". *ArXiv preprint arXiv:1912.01065* (2019) (scholar.google.com)
44. Wang, Yujie. "Suzuki Group and Flag-Transitive Point-Primitive 2 – (v, k, λ) Designs". *Pure Mathematics* (2019), 9(2), pp. –174–181. (scholar.google.com)

45. Zhang, Yongli and Zhang, Zhilin and Zhou, Shenglin. "Reduction for primitive flag-transitive symmetric $2-(v, k, \lambda)$ designs with λ prime.". *Discrete Mathematics*, Vol. 343, (2020), No. 6, pp. 111843, 4. ISSN 0012-365X. (mathscinet)
46. Alavi, Seyed Hassan and Bayat, Mohsen and Choulaki, Jalal and Daneshkhah, Ashraf. "Flag-transitive block designs with prime replication number and almost simple groups". *Designs, Codes and Cryptography. An International Journal*, Vol. 88, (2020), No. 5, pp. 971–992. ISSN 0925-1022. (mathscinet)
47. Wang, Yajie and Zhou, Shenglin. "Flag-transitive $2-(v, k, \lambda)$ symmetric designs with $\lambda \geq (k, \lambda)^2$ and alternating socle". *Discrete Mathematics*, Vol. 343, (2020), No. 9, pp. 111973, 7. ISSN 0012-365X. (mathscinet)
48. Alavi, Seyed Hassan and Bayat, Mohsen and Daneshkhah, Ashraf. "Flag-transitive block designs and unitary groups". *Monatshefte für Mathematik*, Vol. 193, (2020), No. 3, pp. 535–553. ISSN 0026-9255. (mathscinet)
49. Alavi, Seyed Hassan and Bayat, Mohsen and Daneshkhah, Ashraf. "Symmetric designs and projective special linear groups of dimension at most four". *Journal of Combinatorial Designs*, Vol. 28, (2020), No. 9, pp. 688–709. ISSN 1063-8539. (mathscinet)
50. Zhang, Yongli and Zhang, Zhilin and Zhou, Shenglin. "Reduction for primitive flag-transitive nonsymmetric $2-(v, k, 4)$ designs". *Journal of Algebra and its Applications*, Vol. 19, (2020), No. 12, pp. 2050240, 10. ISSN 0219-4988. (mathscinet)
51. Alavi, Seyed Hassan and Daneshkhah, Ashraf and Praeger, Cheryl E. "Symmetries of biplanes". *Designs, Codes and Cryptography. An International Journal*, Vol. 88, (2020), No. 11, pp. 2337–2359. ISSN 0925-1022. (mathscinet)
52. Shen, Jiaxin and Zhou, Shenglin. "Flag-transitive $2-(v, 5, \lambda)$ designs with sporadic socle". *Frontiers of Mathematics in China*, Vol. 15, (2020), No. 6, pp. 1201–1210. ISSN 1673-3452. (mathscinet)
53. Zhang, Zhilin and Yuan, Pingzhi and Zhou, Shenglin. "Flag-transitive point-primitive symmetric (v, k, λ) designs with bounded k ". *Electronic Journal of Combinatorics*, Vol. 27, (2020), No. 4, Paper No. 4.40, 20 (mathscinet)
54. Bayat, M. "Symmetric designs and classical simple groups of dimension four". Submitted to the 12th Iranian Group Theory Conference. 29-30 Bahman, 1398, (2020) (scholar.google.com)
55. Devillers, Alice and Liang, Hongxue and Praeger, Cheryl E. and Xia, Binzhou. "On flag-transitive $2-(v, k, 2)$ designs". *Journal of Combinatorial Theory. Series A*, Vol. 177, (2021), Paper No. 105309, 45. ISSN 0097-3165. (mathscinet)
56. Shen, Jiaxin and Zhou, Shenglin. "Flag-transitive 2-designs with the prime square replication number". *Discrete Mathematics*, Vol. 344, (2021), No. 2, Paper No. 112225, 5. ISSN 0012-365X. (mathscinet)
57. Alavi, Seyed Hassan and Bayat, Mohsen and Daneshkhah, Ashraf. "Correction to: Flag-transitive block designs and unitary groups". *Monatshefte für Mathematik*, Vol. 195, (2021), No. 2, pp. 371–376. ISSN 0026-9255. (mathscinet)
58. Chen, Jianfu and Zhou, Shenglin. "Flag-transitive, point-imprimitive $2-(v, k, \lambda)$ symmetric designs with k and λ prime powers". *Designs, Codes and Cryptography. An International Journal*, Vol. 89, (2021), No. 6, pp. 1255–1260. ISSN 0925-1022. (mathscinet)

59. Devillers, Alice and Praeger, Cheryl E. "On flag-transitive imprimitive 2-designs". *Journal of Combinatorial Designs*, Vol. 29, (2021), No. 8, pp.552–574. ISSN 1063-8539. (mathscinet)
60. Zhao, Yanwei and Zhou, Shenglin. "Reduction for flag-transitive $2-(v, k, \lambda)$ designs with $(r, \lambda) = 2$ ". *Journal of Combinatorial Designs*, Vol. 29, (2021), No. 9, pp. 629–643. ISSN 1063-8539. (mathscinet)
61. Mandić, Joško and Šubašić, Aljoša. "Flag-transitive and point-imprimitive symmetric designs with $\lambda \leq 10$ ". *Journal of Combinatorial Theory. Series A*, Vol. 189, (2022), Paper No. 105620, 21. ISSN 0097-3165. (mathscinet)
62. Zhang, Wanbao and Zhou, Shenglin. "Block-transitive automorphism groups of $2-(\nu, k, \lambda)$ designs with $(r, k) = 1$ ". *Journal of Combinatorial Designs*, Vol. 30, (2022), No. 5, pp. 315–331. ISSN 1063-8539, (mathscinet)
63. Alavi, Seyed Hassan and Daneshkhah, Ashraf and Mouseli, Fatemeh. "A classification of flag-transitive block designs". *Journal of Algebraic Combinatorics. An International Journal*, Vol. 55, (2022), pp. 729–779. ISSN 0925-9899. (mathscinet)
64. Alavi, Seyed Hassan and Bayat, Mohsen and Biliotti, Mauro and Daneshkhah, Ashraf and Francot, Eliana and Guan, Haiyan and Montinaro, Alessandro and Mouseli, Fatemeh and Rizzo, Pierluigi and Tian, Delu and Wang, Yajie and Zhan, Xiaoqin and Zhang, Yongli and Zhou, Shenglin and Zhu, Yan. "Block designs with $\gcd(r, \lambda) = 1$ admitting flag-transitive automorphism groups". *Results in Mathematics*, Vol. 77, (2022), No. 4, Paper No. 151, 17. ISSN 1422-6383. (mathscinet)
65. Montinaro, Alessandro. "Flag-transitive, point-imprimitive symmetric $2 - (v, k, \lambda)$ designs with $k > \lambda(\lambda - 3)/2$ ". arXiv preprint arXiv: 2203.09261 (2022) (scholar.google.com)
66. Alavi, Seyed Hassan; Bayat, Mohsen and Daneshkhah, Ashraf. "Finite exceptional groups of Lie type and symmetric designs". *Discrete Mathematics*, Vol. 345, Issue 8, (2022) 112894 (scholar.google.com)
67. Montinaro, Alessandro. "The symmetric $2 - (v, k, \lambda)$ designs, with $k > \lambda(\lambda - 3)/2$, admitting a Flag-transitive, point imprimitive automorphism group are known". Arxiv Preprint arXiv:2212.08893 (2022) (scholar.google.com)
68. Lang Tang; Jing Chen and Zhilin Zhang. "Classification of Flag-transitive point.primitive non-symmetric $2 - (v, k, \lambda)$ designs with $v < 100$ ". *Applied Mathematics and Computation*, Vol. 430, (2022), 127278. (scholar.google.com)
69. Devillers, Alice and Praeger, Cheryl. "Analysing flag-transitive point-imprimitive 2-designs". ArXiv Preprint arXiv:2208.12455 (2022) (scholar.google.com)
70. Daneshkhah, Ashraf. "Symmetric designs and projective special unitary groups $PSU_5(q)$ ". *International Journal of Group Theory*, Vol. 11, Issue 3, Serial Number 3, (2022), pp. 175–185. (scholar.google.com)
71. Babaei, Raziye and Daneshkhah, Ashraf. "Symmetric designs with $\lambda \leq 10$ admitting flag-transitive and point-primitive almost simple automorphism groups". *Discrete Mathematics*, Vol. 346, (2023), No. 5, Paper No. 113325, 20. ISSN 0012-365X. (mathscinet)
72. Zhang, Wanbao and Zhou, Shenglin. "Flag-transitive quasi-symmetric designs with block intersection numbers 0 and 2". *Journal of Algebra and its Applications*, Vol. 22, (2023), No. 4, Paper No. 2350093, 11. ISSN 0219-4988. (mathscinet)

73. Amara, Carmen; Devillers, Alice and Praeger, Cheryl. "Block-transitive-2-designs with a chain of imprimitive partitions". ArXiv Preprint arXiv:2303.11655 (2023)
74. Alavi, Seyed Hassan; Daneshkhah, Ashraf and Mouseli, Fatemeh. "Almost simple groups as flag-transitive automorphism groups of symmetric designs with λ prime". Ars Mathematica Contemporanea, Vol. 23, No. 4, (2023). (scholar.google.com)
75. Jianfu Chen; Jiaxin Shen and Shenglin Zhou. "Reduction for flag-transitive symmetric designs with $k > \lambda(\lambda - 2)$ ". ArXiv Preprint arXiv:2302.09768 (2023). (scholar.google.com)
76. Zhilin Zhang and Shenglin Zhou. "On $2 - (v, k, \lambda)$ Designs with Flag-Transitive Automorphism Groups of Product Action Type". Algebra Colloquium, Vol. 30, No. 02, pp. 351–360 (2023). (scholar.google.com)

A [3]: O'Reilly Regueiro, Eugenia.

Biplanes with flag-transitive automorphism groups of almost simple type, with alternating or sporadic socle.

European Journal of Combinatorics, Vol 26, (2005), No. 5, pp. 577–584. ISSN 0195-6698.

1. Praeger, Cheryl E. and Zhou, Shenglin. "Imprimitive flag-transitive symmetric designs". Journal of Combinatorial Theory. Series A, Vol. 113, (2006), No. 7, pp. 1381–1395. (mathscinet)
2. Law, Maska and Praeger, Cheryl E. and Reichard, Sven. "Flag-transitive symmetric $2 - (96, 20, 4)$ -designs". Journal of Combinatorial Theory. Series A, Vol. 116, (2009), No. 5, pp. 1009–1022 ISSN 0097-3165. (mathscinet)
3. Zhou, Shenglin and Dong, Huili and Fang, Weidong. "Finite classical groups and flag-transitive triplanes". Discrete Mathematics, Vol. 309, (2009), No. 16, pp. 5183–5195. ISSN 0012-365X. (mathscinet)
4. Zhou, Shenglin and Dong, Huili. "Sporadic groups and flag-transitive triplanes". Science in China Series A: Mathematics, 52, (2009) pp. 394–400. (scholar.google.com)
5. Zhou, ShengLin and Dong, HuiLi. "Exceptional groups of Lie type and flag-transitive triplanes". Science China. Mathematics, Vol. 53, (2010), No. 2, pp. 447–456. ISSN 1674-7283. (mathscinet)
6. Fang, Weidong and Dong, Huili and Zhou, Shenglin. "Flag-transitive $2-(v, k, 4)$ symmetric designs". Ars Combinatoria, Vol. 95, (2010), pp. 333–342. ISSN 0381-7032. (mathscinet)
7. Zhou, Shenglin and Dong, Huili. "Alternating groups and flag-transitive triplanes". Designs, Codes and Cryptography". An International Journal, Vol. 57, Vol. 57, (2010), No. 2, pp. 117–126. ISSN 0925-1022. (mathscinet)
8. Zhou, ShengLin and Tian, De-lu. "Flag-transitive point-primitive $2 - (v, k, 4)$ symmetric designs and two dimensional classical groups". Applied Mathematics, A Journal of Chinesse Universities, Vol. 26, pp. 334–341 (2011) (scholar.google.com)
9. Xianghong, Xu and Jinhua, Wang. "2F4 (q2) group and $2-(v, k, 5)$ symmetric design". Jorunal of Nantong University: Natural Science Edition (2011) No. 3. (scholar.google.com)
10. Tian, Delu and Zhou, Shenglin. "Flag-transitive point-primitive symmetric (v, k, λ) designs with λ at most 100". Journal of Combinatorial Designs, Vol. 21, (2013), No. 4, pp. 127–141. ISSN 1063-8539. (mathscinet)

11. Dong, Huili and Zhou, Shenglin. "Flag-transitive primitive (v, k, λ) symmetric designs with λ at most 10 and alternating socle". *Journal of Algebra and its Applications*, Vol. 13, (2014), No. 6, pages 1450025, 10. ISSN 0219-4988. (mathscinet)
12. Bayat Mohsen; and Alavi Seyed Hassan and Daneshkhah Ashraf. "Symmetric designs and projective special linear groups of small rank". (2014) sid.ir (scholar.google.com)
13. Tian, Delu and Zhou, Shenglin. "Flag-transitive 2- (v, k, λ) symmetric designs with sporadic socle". *Journal of Combinatorial Designs*, Vol. 23, (2015), No. 4, pp. 140–150. ISSN 1063-8539. (mathscinet)
14. Tian, Delu and Zhou, Shenglin. "Flag-transitive 2- (v, k, λ) symmetric designs with sporadic socle". *Journal of Combinatorial Designs*, Vol. 23, (2015), No. 4, pp. 140-150. ISSN 1063-8539. (mathscinet)
15. Zhu, Yan and Guan, Haiyan and Zhou, Shenglin. "Flag-transitive 2- (v, k, λ) symmetric designs with $(k, \lambda) = 1$ and alternating socle". *Frontiers of Mathematics in China*, Vol. 10, (2015), No. 6, pp. 1483–1496. ISSN 1673-3452. (mathscinet)
16. Alavi, S. H. and Bayat, M. "Flag-transitive point-primitive symmetric designs and three dimensional projective special linear groups". *Bulletin of the Iranian Mathematical Society*, Vol. 42, (2016), No. 1, pp. 201–221. ISSN 1017-060X. (mathscinet)
17. Alavi, S. H. and Bayat, M. and Daneshkhah, A. "Symmetric designs admitting flag-transitive and point-primitive automorphism groups associated to two dimensional projective special groups". *Designs, Codes and Cryptography* 79, pp. 337–351 (2016) (scholar.google.com)
18. Liang, Hongxue and Zhou, Shenglin. "Flag-transitive point-primitive non-symmetric 2- $(v, k, 2)$ designs with alternating socle". *Bulletin of the Belgian Mathematical Society. Simon Stevin*, Vol. 23, (2016), No. 4, pp.559–571. ISSN 1370-1444. (mathscinet)
19. Yang, Xu and Liu, Weijun and Liu, Henry and Feng, Lihua. "Incidence graphs constructed from t -designs". *Applicable Analysis and Discrete Mathematics*, Vol. 10, (2016), No. 2, pp. 457–478. ISSN 1452-8630. (mathscinet)
20. Zhu, Yan and Tian, Delu and Zhou, Shenglin. "Flag-transitive point-primitive (v, k, λ) -symmetric designs with λ at most 100 and alternating socle". *Mathematica Slovaca*, Vol. 66, (2016), No. 5, pp. 1037–1046. ISSN 0139-9918. (mathscinet)
21. Biliotti, Mauro and Montinaro, Alessandro. "On flag-transitive symmetric designs of affine type". *Journal of Combinatorial Designs*, Vol. 25, (2017), No. 2, pp. 85–97. ISSN 1063-8539. (mathscinet)
22. Zhan, Xiaoqin and Zhou, Shenglin. "A classification of flag-transitive 2-designs with $\lambda \geq (r, \lambda)^2$ and sporadic socle". *Discrete Mathematics*, Vol. 340, (2017), No. 4, pp. 630–636. ISSN 0012-365X. (mathscinet)
23. Zhang, Xiaohong and Zhou, Shenglin. "Block-transitive and point-primitive 2- $(v, k, 2)$ designs with sporadic socle". *Journal of Combinatorial Designs*, Vol. 25, (2017), No. 5, pp. 231–238, ISSN 1063-8539. (mathscinet)
24. Wang, Y. and Zhou, S. "Flag-transitive point-primitive $(v, k, 4)$ symmetric designs with exceptional socle of Lie type". *Bulletin of the Iranian Mathematical Society*, Vol. 43, (2017), No. 2, pp. 259–273. ISSN 1017-060X. (mathscinet)

25. Daneshkhah, Ashraf and Zang Zarin, Sheyda. "Flag-transitive point-primitive symmetric designs and three dimensional projective special unitary groups". *Bulletin of the Korean Mathematical Society*, Vol. 54, (2017), No. 6, pp. 2029–2041. ISSN 1015-8634. (mathscinet)
26. García-Vázquez, Patricio R. "Biplanes with a prime number of points and a flag-transitive automorphism group of one-dimensional affine type". *Sociedad Matemática Mexicana, Memorias* 13, (2017), pp. 65–69. (scholar.google.com)
27. Chen Jianan and Zhou Shenglin. "Mathieu Groups and Flag Transitive $2-(v, k, \lambda)$ Designs". *Pure Mathematics*, Vol. 8, No. 1 (2018) (scholar.google.com)
28. Dong, Huili and Zhao, Xianhe. "Sporadic simple groups and block-transitive symmetric designs". *Ars Combinatoria*, Vol. 136, (2018), pp. 227–233. ISSN 0381-7032. (mathscinet)
29. Zhang, Xiaohong and Zhou, Shenglin. "Sporadic finite simple groups and block designs". *Bulletin of the Belgian Mathematical Society. Simon Stevin*, Vol. 25, (2018), No. 4, pp. 495–506. ISSN 1370-1444. (mathscinet)
30. Z. Yan. "Finite Classical Group and Primitive Flag-transitive Symmetric $(v, k, 5)$ Designs". *Mathematical Theory and Applications*, (2018), Vol. 38, Issue (1-2), pp. 12–23. (scholar.google.com)
31. Zhan, Xiaoqin and Ding, Suyun. "Some infinite families of 2-designs from $PG(n, q)$ ". *Journal of Combinatorial Designs*, Vol. 27, (2019), No. 1, pp. 22–26. ISSN 1063-8539. (mathscinet)
32. Dong, Huili and Zhao, Xianhe. "Block-transitive designs and the sporadic simple group M_{11} ". *Ars Combinatoria*, Vol. 146, (2019), pp. 89–95. ISSN 0381-7032. (mathscinet)
33. Alavi, S. H.; Bayat, M. and Daneshkhah. "Finite exceptional groups of Lie Type and Symmetric designs". *Discrete Mathematics*, 345 (2022) 112894 (scholar.google.com)
34. Bayat, M. "Symmetric designs and classical simple groups of dimension four". Submitted to the 12th Iranian Group Theory Conference. Tarbiat Modares University, Tehran, Iran (2020) (scholar.google.com)
35. Devillers, Alice and Liang, Hongxue and Praeger, Cheryl E. and Xia, Binzhou. "On flag-transitive $2-(v, k, 2)$ designs". *Journal of Combinatorial Theory. Series A*, Vol. 177, (2021), Paper No. 105309, 45. ISSN 0097-3165. (mathscinet)
36. Zhao, Yanwei and Zhou, Shenglin. "Reduction for flag-transitive $2-(v, k, \lambda)$ designs with $(r, \lambda) = 2$ ". *Journal of Combinatorial Designs*, Vol. 29, (2021), No. 9, pp. 629–643. ISSN 1063-8539. (mathscinet)
37. Zhang, Yongli and Chen, Jianfu and Zhou, Shenglin. "Flag-transitive $2-(v, k, \lambda)$ designs with λ prime and alternating socle". *Journal of Algebra and its Applications*, (2022). (scholar.google.com)
38. Alavi S. H. and Daneshkhah A. and Mouseli F. "A classification of flag-transitive block designs". *Journal Algebraic Combinatorics* 55, 729–779, (2022). (scholar.google.com)
39. Babaei, Raziye and Daneshkhah, Ashraf. "Symmetric designs with $\lambda \leq 10$ admitting flag-transitive and point-primitive almost simple automorphism groups". *Discrete Mathematics*, Vol. 346, (2023), No. 5, Paper No. 113325, 20. ISSN 0012-365X. (mathscinet)
40. Alavi, Seyed Hassan and Daneshkhah, Ashraf and Mouseli, Fatemeh. "Almost simple groups as flag-transitive automorphism groups of symmetric designs with λ prime". *Journal Ars Mathematica Contemporánea* 23 (2023) No. P4.03 (scholar.google.com)

A [4]: O'Reilly-Regueiro, Eugenia.

Classification of flag-transitive symmetric designs.

Booktitle: 6th Czech-Slovak International Symposium on Combinatorics, Graph Theory, Algorithms and Applications.

Series: Electron. Notes Discrete Math. Vol. 28, pp. 535–542. Vol. 28, pp. 535–542. Elsevier Sci. B. V. Amsterdam, (2007)

1. Crnković, Dean and Mostarac, Nina. "PD-Sets for codes related to flag-transitive symmetric designs". *Transactions on Combinatorics*, Vol. 7, No. 1 (2018), pp. 37–50. (scholar.google.com)
2. Alavi, Seyed Hassan and Bayat, Mohsen and Daneshkhah, Ashraf. "Almost simple groups of Lie type and symmetric designs with λ prime". *Electronic Journal of Combinatorics*, Vol. 28, (2021), No. 2, Paper No. 2.13, 38. (mathscinet)
3. Babaei, Raziye and Daneshkhah, Ashraf. "Symmetric designs with $\lambda \leq 10$ admitting flag-transitive and point-primitive almost simple automorphism groups". *Discrete Mathematics*, Vol. 346, (2023), No. 5, Paper No. 113325, 20. ISSN 0012-365X. (mathscinet)
4. Alavi, Seyed Hassan and Daneshkhah, Ashraf and Mouseli, Fatemeh. "Almost simple groups as flag-transitive automorphism groups of symmetric designs with λ prime". *Journal Ars Mathematica Contemporánea* 23 (2023) No. P4.03 (scholar.google.com)

A [5]: O'Reilly-Regueiro, Eugenia.

Biplanes with flag-transitive automorphism groups of almost simple type, with classical socle.

Journal of Algebraic Combinatorics. An International Journal, Vol. 26, (2007), No. 4, pp. 529–552. ISSN = 0925-9899.

1. Law, Maska and Praeger, Cheryl E. and Reichard, Sven. "Flag-transitive symmetric 2-(96, 20, 4)-designs". *Journal of Combinatorial Theory. Series A*, Vol. 116, (2009), No. 5, pp. 1009–1022. ISSN 0097-3165. (mathscinet)
2. Zhou, Shenglin and Dong, Huili and Fang, Weidong. "Finite classical groups and flag-transitive triplanes". *Discrete Mathematics*, Vol. 309, (2009), No. 16, pp. 5183–5195. ISSN 0012-365X. (mathscinet)
3. Zhou, ShengLin & Dong, HuiLi. "Sporadic groups and flag-transitive triplanes". *Science in China Series A: Mathematics* 52, pp. 394–400 (2009) (scholar.google.com)
4. Law, Maska and Praeger, Cheryl E and Reichard, Sven. "Flag-transitive symmetric 2-(96, 20, 4)-designs". *Journal of Combinatorial Theory, Series A*, Vol. 116, No. 5, pp. 1009–1022 (2009). Elsevier (scholar.google.com)
5. Zhou, ShengLin and Dong, HuiLi. "Exceptional groups of Lie type and flag-transitive triplanes". *Science China. Mathematics*, Vol. 53, (2010), No. 2, pp. 447–456. ISSN 1674-7283. (mathscinet)
6. Fang, Weidong and Dong, Huili and Zhou, Shenglin. "Flag-transitive 2-($v, k, 4$) symmetric designs". *Ars Combinatoria*, Vol. 95, (2010), pp. 333–342. ISSN 0381-7032. (mathscinet)
7. Zhou, Shenglin and Dong, Huili. "Alternating groups and flag-transitive triplanes". *Designs, Codes and Cryptography. An International Journal*, Vol. 57, (2010), No. 2, pp. 117–126. ISSN 0925-1022. (mathscinet)

8. Patassini, Massimiliano. "On the (non-)contractibility of the order complex of the coset poset of a classical group". *Journal of Algebra*, Vol. 343, (2011), pp. 37–77. ISSN 0021-8693. (mathscinet)
9. Zhou, ShengLin and Tian, De-lu. "Flag-transitive point primitive $2-(v, k, 4)$ symmetric designs and two dimensional classical groups". *Applied Mathematics-A Journal of Chinese Universities* 26, pp. 334–341 (2011) (scholar.google.com)
10. Patassini, Massimiliano. "Recognizing the non-Frattini abelian chief factors of a finite group from its probabilistic zeta function". *Communications in Algebra*, Vol. 40, (2012), No. 12, pp. 4494–4508. ISSN 0092-7872. (mathscinet)
11. Tian, Delu and Zhou, Shenglin. "Flag-transitive point-primitive symmetric (v, k, λ) designs with λ at most 100". *Journal of Combinatorial Designs*, Vol. 21, (2013), No. 4, pp. 127–141. ISSN 1063-8539. (mathscinet)
12. Guest, Simon and Levy, Dan. "Criteria for solvable radical membership via p -elements". *Journal of Algebra*, Vol. 415, (2014), pp. 88–111. ISSN 0021-8693. (mathscinet)
13. Bayat, Mohsen; and Alavi Seyed Hassan; and Daneshkhah, Ashraf. "Symmetric designs and projective special Linear Groups of small Rank". (2014) sid.ir (scholar.google.com)
14. Braić, Snježana; Mandić, Joško; Vučićić, Tanja. "Primitive block designs with automorphism group $PSL(2, q)$ ". *Glasnik Matematički. Serija III*, Vol. 50 (70), (2015), No. 1, pp. 1–15. ISSN 0017-095X. (mathscinet)
15. Zhou, Shenglin and Tian, Delu. "Classification of flag-transitive primitive symmetric (v, k, λ) designs with $PSL(2, q)$ as socle. arXiv: 1503.06992 (2015) (scholar.google.com)
16. Demina, E. N. and Maslova, N. V. Nonabelian composition factors of a finite group with arithmetic constraints on nonsolvable maximal subgroups". *Trudy Instituta Matematiki i Mekhaniki*, Vol. 20, (2014), No. 2, pp. 122–134. ISSN 0134-4889. (mathscinet)
17. Tian, Delu and Zhou, Shenglin. "Flag-transitive symmetric (v, k, λ) designs admitting primitive automorphism groups with socle $PSL(12, 2)$ ". *Ars Combinatoria*, Vol. 126, (2016), pp. 157–163. ISSN 0381-7032. (mathscinet)
18. Alavi, S. H. and Bayat, M. "Flag-transitive point-primitive symmetric designs and three dimensional projective special linear groups". *Bulletin of the Iranian Mathematical Society*, Vol. 42, (2016), No. 1, pp. 201–221. ISSN 1017-060X. (mathscinet)
19. Alavi, Seyed Hassan and Bayat, Mohsen and Daneshkhah, Ashraf. "Symmetric designs admitting flag-transitive and point-primitive automorphism groups associated to two dimensional projective special groups". *Designs, Codes and Cryptography. An International Journal*, Vol. 79, (2016), No. 2, pp. 337–351. ISSN 0925-1022. (mathscinet)
20. Yang, Xu and Liu, Weijun and Liu, Henry and Feng, Lihua. "Incidence graphs constructed from t -designs". *Applicable Analysis and Discrete Mathematics*, Vol. 10, (2016), No. 2, pp. 457–478. ISSN 1452-8630. (mathscinet)
21. Biliotti, Mauro and Montinaro, Alessandro. "On flag-transitive symmetric designs of affine type". *Journal of Combinatorial Designs*, Vol. 25, (2017), No. 2, pp. 85–97. ISSN 1063-8539. (mathscinet)
22. Zhang, Xiaohong and Zhou, Shenglin. "Block-transitive and point-primitive $2-(v, k, 2)$ designs with sporadic socle". *Journal of Combinatorial Designs*, Vol. 25, (2017), No. 5, pp. 231–238. ISSN 1063-8539. (mathscinet)

23. Wang, Y. and Zhou, S. "Flag-transitive point-primitive $(v, k, 4)$ symmetric designs with exceptional socle of Lie type". *Bulletin of the Iranian Mathematical Society*, Vol. 43, (2017), No. 2, pp. 259–273. ISSN 1017-060X. (mathscinet)
24. Daneshkhah, Ashraf and Zang Zarin, Sheyda. "Flag-transitive point-primitive symmetric designs and three dimensional projective special unitary groups". *Bulletin of the Korean Mathematical Society*, Vol. 54, (2017), No. 6, pp. 2029–2041. ISSN 1015-8634. (mathscinet)
25. García-Vázquez, Patricio R. "Biplanes with a prime number of points and a flag-transitive automorphism group of one-dimensional affine type". *Sociedad Matemática Mexicana, Memorias* 13, (2017), pp. 65–69. (scholar.google.com)
26. SH Alavi and M. Bayat. "Symmetric designs and finite simple exceptional groups of Lie type". arXiv preprint 1702.01257 (2017) (scholar.google.com)
27. Zhang, Xiaohong and Zhou, Shenglin. "Sporadic finite simple groups and block designs". *Bulletin of the Belgian Mathematical Society. Simon Stevin*, Vol. 25, (2018), No. 4, pp. 495–506. ISSN 1370-1444. (mathscinet)
28. Zhu Yan. "Finite Classical Group and Primitive Flag-transitive Symmetric $(v, k, 5)$ Designs". *Mathematical Theory and Applications*, (2018), 38 (1-2) pp. 12–23. (scholar.google.com)
29. Xiaolian Liao; Shangzhao Li & Guohua Chen. "3-Homogeneous groups and flag-transitive $6 - (v, k, 3)$ designs". *Journal of Discrete Mathematical Sciences and Cryptography*, Vol. 21, Issue 3 (2018) (scholar.google.com)
30. Zhan, Xiaoqin and Ding, Suyun. "Some infinite families of 2-designs from $PG(n, q)$ ". *Journal of Combinatorial Designs*, Vol. 27, (2019), No. 1, pp. 22–26. ISSN 1063-8539. (mathscinet)
31. Alavi, Seyed Hassan and Bayat, Mohsen and Daneshkhah, Ashraf and Zarin, Sheyda Zang. "Symmetric designs and four dimensional projective special unitary groups". *Discrete Mathematics*, Vol. 342, (2019), No. 4, pp. 1159–1169. ISSN 0012-365X. (mathscinet)
32. Dong, Huili and Zhao, Xianhe. "Block-transitive designs and the sporadic simple group M_{11} ". *Ars Combinatoria*, Vol. 146, (2019), pp. 89–95. ISSN 0381-7032. (mathscinet)
33. Daneshkhah, Ashraf. "Symmetric designs and projective special unitary groups of dimension at most five". arXiv preprint: 1912.01065 (2019) (scolar.google.com)
34. Alavi, Seyed Hassan and Bayat, Mohsen and Daneshkhah, Ashraf. "Flag-transitive block designs and unitary groups". *Monatshefte für Mathematik*, Vol. 193, (2020), No. 3, pp. 535–553. ISSN 0026-9255. (mathscinet)
35. Alavi, Seyed Hassan and Bayat, Mohsen and Daneshkhah, Ashraf. "Symmetric designs and projective special linear groups of dimension at most four". *Journal of Combinatorial Designs*, Vol. 28, (2020), No. 9, pp. 688–709. ISSN 1063-8539. (mathscinet)
36. Devillers, Alice and Liang, Hongxue and Praeger, Cheryl E. and Xia, Binzhou. "On flag-transitive $2-(v, k, 2)$ designs". *Journal of Combinatorial Theory. Series A*, Vol. 177, (2021), Paper No. 105309, 45. ISSN 0097-3165. (mathscinet)
37. Alavi, Seyed Hassan and Bayat, Mohsen and Daneshkhah, Ashraf. "Almost simple groups of Lie type and symmetric designs with λ prime". *Electronic Journal of Combinatorics*, Vol. 28, (2021), No. 2, Paper No. 2.13, 38. (mathscinet)

38. Montinaro, Alessandro and Francot, Eliana. "On flag-transitive $2-(k^2, k, \lambda)$ designs with $\lambda|k$ ". Journal of Combinatorial Designs, Vol. 30, (2022), No. 10, pp. 653–670. ISSN 1063-8539. (mathscinet)
39. Alavi, Seyed Hassan; and Daneshkhah, Ashraf & Mouseli, Fatemeh. "A classification of flag-transitive block designs". Journal of Algebraic Combinatorics, 55, pp. 729–779 (2022) (scholar.google.com)
40. Daneshkhah, Ashraf. "Symmetric designs and projective special unitary groups $PSU_5(q)$ ". International Journal of Group Theory, Vol. 11, Issue 3, No. 3 (2022) pp. 175–185 (scholar.google.com)
41. Babaei, Raziye and Daneshkhah, Ashraf. "Symmetric designs with $\lambda \leq 10$ admitting flag-transitive and point-primitive almost simple automorphism groups". Discrete Mathematics, Vol. 346, (2023), No. 5, Paper No. 113325, 20. ISSN 0012-365X. (mathscinet)
42. Alavi, Seyed Hassan; and Daneshkhah, Ashraf & Mouseli, Fatemeh. "Almost simple groups as flag-transitive automorphism groups of symmetric designs with λ prime". ARS Mathematica Contemporanea Vo. 23 No. 4 (2023)

A [6]: O'Reilly-Regueiro, Eugenia.

Biplanes with flag-transitive automorphism groups of almost simple type, with exceptional socle of Lie type.

Journal of Algebraic Combinatorics. An International Journal, Vol. 27, (2008), No. 4, pp.479–491, ISSN 0925-9899.

1. Law, Maska and Praeger, Cheryl E. and Reichard, Sven. "Flag-transitive symmetric $2-(96, 20, 4)$ -designs". Journal of Combinatorial Theory. Series A, Vol. 116, (2009), No. 5, pp. 1009–1022. ISSN 0097-3165. (mathscinet)
2. Zhou, Shenglin and Dong, Huili and Fang, Weidong. "Finite classical groups and flag-transitive triplanes". Discrete Mathematics, Vol. 309, (2009), No. 16, pp. 5183–5195. ISSN 0012-365X. (mathscinet)
3. Zhou, Shenglin and Dong, Huili. "Sporadic groups and flag-transitive triplanes". Science in China Series A: Mathematics 52, pp. 394–400 (2009) (scholar.google.com)
4. Zhou, ShengLin and Dong, HuiLi. "Exceptional groups of Lie type and flag-transitive triplanes". Science China. Mathematics, Vol. 53, (2010), No. 2, pp. 447–456. ISSN 1674-7283. (mathscinet)
5. Fang, Weidong and Dong, Huili and Zhou, Shenglin. "Flag-transitive $2-(v, k, 4)$ symmetric designs". Ars Combinatoria, Vol. 95, (2010), pp. 333–342. ISSN 0381-7032. (mathscinet)
6. Zhou, Shenglin and Dong, Huili. "Alternating groups and flag-transitive triplanes". Designs, Codes and Cryptography. An International Journal. Vol. 57, (2010), No. 2, pp. 117–126. ISSN 0925-1022. (mathscinet)
7. Zhou, Shenglin and Tian, Delu. "flag-transitive point primitive $2 - (v, k, 4)$ symmetric designs and two dimensional classical groups". Applied Mathematics-A Journal of Chinese Universities 26, pp. 334–341 (2011) (scholar.google.com)
8. Tian, Delu and Zhou, Shenglin. "Flag-transitive point-primitive symmetric (v, k, λ) designs with λ at most 100". Journal of Combinatorial Designs, Vol. 21, (2013), No. 4, pp. 127–141. ISSN 1063-8539. (mathscinet)
9. Bayat Mohsen; Alavi Seyed Hassan; Daneshkhah Ashraf. "Symmetric and projective special linear groups of small rank. sid.ir (2014) (scholar.google.com)

10. Alavi, S. H. and Bayat, M. "Flag-transitive point-primitive symmetric designs and three dimensional projective special linear groups". *Bulletin of the Iranian Mathematical Society*, Vol. 42, (2016), No. 1, pp. 201–221). ISSN 1017-060X. (mathscinet)
11. Alavi, Seyed Hassan and Bayat, Mohsen and Daneshkhah, Ashraf. "Symmetric designs admitting flag-transitive and point-primitive automorphism groups associated to two dimensional projective special groups". *Designs, Codes and Cryptography. An International Journal*, Vol. 79, No. 2, pp. 337–351. (2016) ISSN 0925-1022. (mathscinet)
12. Yang, Xu and Liu, Weijun and Liu, Henry and Feng, Lihua. "Incidence graphs constructed from t -designs". *Applicable Analysis and Discrete Mathematics*, Vol. 10, (2016), No. 2, pp. 457–478. ISSN 1452-8630. (mathscinet)
13. Biliotti, Mauro and Montinaro, Alessandro. "On flag-transitive symmetric designs of affine type". *Journal of Combinatorial Designs*, Vol. 25, (2017), No. 2, pp. 85–97. ISSN 1063-8539. (mathscinet)
14. Zhang, Xiaohong and Zhou, Shenglin. Block-transitive and point-primitive $2-(v, k, 2)$ designs with sporadic socle". *Journal of Combinatorial Designs*, Vol. 25, (2017), No. 5, pp. 231–238. ISSN 1063-8539. (mathscinet)
15. Wang, Y. and Zhou, S. "Flag-transitive point-primitive $(v, k, 4)$ symmetric designs with exceptional socle of Lie type". *Bulletin of the Iranian Mathematical Society*, Vol. 43, (2017), No. 2, pp. 259–273. ISSN 1017-060X. (mathscinet)
16. Wang, Yajie and Zhou, Shenglin. "Symmetric designs admitting flag-transitive and point-primitive almost simple automorphism groups of Lie type". *Journal of Algebra and its Applications*, Vol. 16, (2017), No. 10. 1750192, 13. ISSN 0219-4988. (mathscinet)
17. Daneshkhah, Ashraf and Zang Zarin, Sheyda. "Flag-transitive point-primitive symmetric designs and three dimensional projective special unitary groups". *Bulletin of the Korean Mathematical Society*, Vol. 54, (2017), No. 6, pp. 2029–2041. ISSN 1015-8634. (mathscinet)
18. García-Vázquez, Patricio R. "Biplanes with a prime number of points and a flag-transitive automorphism group of one-dimensional affine type". *Sociedad Matemática Mexicana, Memorias* 13, (2017), pp. 65–69. (scholar.google.com)
19. Zhang, Xiaohong and Zhou, Shenglin. "Sporadic finite simple groups and block designs". *Bulletin of the Belgian Mathematical Society. Simon Stevin*, Vol. 25, (2018), No. 4, pp. 495–506. ISSN 1370-1444. (mathscinet)
20. Zhu Yan. "Finite Classical Group and Primitive Flag-Transitive Symmetric $(v, k, 5)$ Designs". *Mathematical Theory and Applications* (2018), 38 (1-2) 9 pp. 12–23 (scholar.google.com)
21. Xiaolian Liao, Shangzhao Li & Guohua Chen. "3-Homogeneous groups and flag-transitive $6 - (v, k, 3)$ ". *Journal of Discrete Mathematical Sciences and Cryptography*, Vol. 21, (2018) - Issue 3 (scholar.google.com)
22. Jianan Chen, Shenglin Zhou. "Mathieu Groups and Flag-Transitive $2 - (v, k, \lambda)$ Designs". *Pure Mathematics* (2018), 8, (1), pp. 47–54 (scholar.google.com)
23. Zhan, Xiaoqin and Ding, Suyun. "Some infinite families of 2-designs from $PG(n, q)$ ". *Journal of Combinatorial Designs*, Vol. 27, (2019), No. 1, pp. 22–26. ISSN 1063-8539. (mathscinet)
24. Dong, Huili and Zhao, Xianhe. "Block-transitive designs and the sporadic simple group M_{11} ". *Ars Combinatoria*, Vol. 146, (2019), pp. 89–95. ISSN 0381-7032. (mathscinet)

25. Zhang, Yongli and Zhou, Shenglin. "Flag-transitive non-symmetric 2-designs with $(r, \lambda) = 1$ and exceptional groups of Lie type". *Electronic Journal of Combinatorics*, Vol. 27, (2020), No. 2, Paper No. 2.9, 16. (mathscinet)
26. Devillers, Alice and Liang, Hongxue and Praeger, Cheryl E. and Xia, Binzhou. "On flag-transitive 2- $(v, k, 2)$ designs". *Journal of Combinatorial Theory. Series A*, Vol. 177, (2021), Paper No. 105309, 45. ISSN 0097-3165. (mathscinet)
27. Alavi, Seyed Hassan and Bayat, Mohsen and Daneshkhah, Ashraf. "Finite exceptional groups of Lie type and symmetric designs". *Discrete Mathematics*, Vol. 345, (2022), No. 8, Paper No. 112894, 22. ISSN 0012-365X. (mathscinet)
28. Alavi, Seyed Hassan and Daneshkhah, Ashraf & Mouseli, Fatemeh. "A classification of flag-transitive block designs". *Journal of Algebraic Combinatorics* 55, pp. 729–779 (2022) (scholar.google.com)
29. Babaei, Raziye and Daneshkhah, Ashraf. "Symmetric designs with $\lambda \leq 10$ admitting flag-transitive and point-primitive almost simple automorphism groups". *Discrete Mathematics*, Vol. 346, (2023), No. 5, Paper No. 113325, 20. ISSN 0012-365X. (mathscinet)
30. Alavi, Seyed Hassan and Daneshkhah, Ashraf & Mouseli, Fatemeh. "Almost simple groups as flag-transitive automorphism groups of symmetric designs with λ prime". *ARS Mathematica Contemporanea*, Vol. 23, No. 4 (2023) (scholar.google.com)

A [7]: O'Reilly-Regueiro, Eugenia.

Reduction for primitive flag-transitive $(v, k, 4)$ -symmetric designs.

Designs, Codes and Cryptography. An International Journal, Vol. 56, (2010), No. 1, pp. 61–63. ISSN 0925-1022.

1. Zhou, Shenglin and Tian, De-Lu. "Flag-transitive point-primitive 2- $(v, k, 4)$ symmetric designs and two dimensional classical groups". *Applied Mathematics-A Journal of Chinese Universities* 26, pp. 334-341 (2011) (scholar.google.com)
2. Tian, Delu and Zhou, Shenglin. "Flag-transitive point-primitive symmetric (v, k, λ) designs with λ at most 100". *Journal of Combinatorial Designs*, Vol. 21, (2013), No. 4, pp. 127–141. ISSN 1063-8539. (mathscinet)
3. Tian, Delu and Zhou, Shenglin. "Flag-transitive 2- (v, k, λ) symmetric designs with sporadic socle". *Journal of Combinatorial Designs*, Vol. 23, (2015), No. 4, pp. 140–150. ISSN 1063-8539. (mathscinet)
4. Liang, Hongxue and Zhou, Shenglin. "Flag-transitive point-primitive automorphism groups of nonsymmetric 2- $(v, k, 2)$ designs". *Journal of Combinatorial Designs*, Vol. 24, (2016), No. 9, pp. 421–435. ISSN 1063-8539. (mathscinet)
5. Biliotti, Mauro and Montinaro, Alessandro. "On flag-transitive symmetric designs of affine type". *Journal of Combinatorial Designs*, Vol. 25, (2017), No. 2, pp. 85–97. ISSN 1063-8539. (mathscinet)
6. Wang, Y. and Zhou, S. "Flag-transitive point-primitive $(v, k, 4)$ symmetric designs with exceptional socle of Lie type". *Bulletin of the Iranian Mathematical Society*, Vol. 43, (2017), No. 2, pp. 259–273. ISSN 1017-060X. (mathscinet)
7. Zhou, Shenglin and Zhan, Xiaoqin. "Flag-transitive automorphism groups of 2-designs with $\lambda \geq (r, \lambda)^2$ and an application to symmetric designs". *Ars Mathematica Contemporanea*, Vol. 14, (2018), No. 1, pp. 187–195. ISSN 1855-3966. (mathscinet)

8. Zhang, Zhilin and Zhou, Shenglin. "Flag-transitive point-quasiprimitive $2-(v, k, 2)$ designs". *Designs, Codes and Cryptography*. An International Journal, Vol. 86, (2018), No. 9, pp. 1963–1971. ISSN 0925-1022. (mathscinet)
9. Zhan, Xiaoqin and Zhou, Shenglin and Chen, Guangzu. "Flag-transitive $2-(v, 4, \lambda)$ designs of product type". *Journal of Combinatorial Designs*, Vol. 26, (2018), No. 9, pp. 455–462. ISSN 1063-8539. (mathscinet)
10. Zhang, Zhilin and Zhou, Shenglin. "Flag-transitive point-quasiprimitive automorphism groups of 2-designs with $\lambda \leq 4$ ". *Discrete Mathematics*, Vol. 342, (2019), No. 2, pp. 427–432. ISSN 0012-365X. (mathscinet)
11. Wang, Yujie. "Suzuki Group and Flag-Transitive Point-Primitive $2-(v, k, \lambda)$ Designs". *Pure Mathematics* (2019), 9(2), pp. 174–181. (scholar.google.com)
12. Zhang, Yongli and Zhang, Zhilin and Zhou, Shenglin. "Reduction for primitive flag-transitive symmetric $2-(v, k, \lambda)$ designs with λ prime". *Discrete Mathematics*, Vol. 343, (2020), No. 6, 111843, 4. ISSN 0012-365X. (mathscinet)
13. Zhang, Yongli and Zhang, Zhilin and Zhou, Shenglin. "Reduction for primitive flag-transitive nonsymmetric $2-(v, k, 4)$ designs". *Journal of Algebra and its Applications*, Vol. 19, (2020), No. 12, 2050240, 10. ISSN 0219-4988. (mathscinet)
14. Zhang, Zhilin and Yuan, Pingzhi and Zhou, Shenglin. "Flag-transitive point-primitive symmetric (v, k, λ) designs with bounded k ". *Electronic Journal of Combinatorics*, Vol. 27, (2020), No. 4, Paper No. 4.40, 20. (mathscinet)
15. Zhao, Yanwei and Zhou, Shenglin. "Reduction for flag-transitive $2-(v, k, \lambda)$ designs with $(r, \lambda) = 2$ ". *Journal of Combinatorial Designs*, Vol. 29, (2021), No. 9, pp. 629–643. ISSN 1063-8539. (mathscinet)
16. Lang Tang; Jing Chen and Zhilin Zhang. "Classification of flag-transitive point-primitive non-symmetric $2-(v, k, \lambda)$ designs with $v < 100$ ". *Applied Mathematics and Computation*, Vol. 430, (2022), 127278. (scholar.google.com)
17. Babaei, Raziye and Daneshkhah, Ashraf. "Symmetric designs with $\lambda \leq 10$ admitting flag-transitive and point-primitive almost simple automorphism groups". *Discrete Mathematics*, Vol. 346, (2023), No. 5, Paper No. 113325, 20. ISSN 0012-365X. (mathscinet)
18. Zhang, Wanbao and Zhou, Shenglin. "Flag-transitive quasi-symmetric designs with block intersection numbers 0 and 2". *Journal of Algebra and its Applications*, Vol. 22, (2023), No. 4, Paper No. 2350093, 11. ISSN 0219-4988. (mathscinet)

A [8]: Galeana-Sánchez, Hortensia and O'Reilly-Regueiro, Eugenia.
Tournaments with kernels by monochromatic paths.
Contributions to Discrete Mathematics, Vol. 7, (2012), No. 2, pp.18–29.

A [9]: Galeana-Sánchez, Hortensia and O'Reilly-Regueiro, Eugenia.
Monochromatic absorbency and independence in 3-quasi-transitive digraphs. AKCE International Journal of Graphs and Combinatorics. Vol. 10, (2013), No. 4, pp. 415–426. ISSN 0972-8600.

1. López-Ortiz, Marco Antonio and Sánchez-López, Rocío. "Restricted domination in quasi-transitive and 3-quasi-transitive digraphs". *Discrete Applied Mathematics. The Journal of Combinatorial Algorithms, Informatics and Computational Sciences*, Vol. 304, (2021), pp. 352–364. ISSN 0166-218X. (mathscinet)

A [10]: Elliott, David and Leemans, Dimitri and O'Reilly-Regueiro, Eugenia.
Chiral polyhedra and projective lines.
International Journal of Mathematics and Statistics, Vol. 16, (2015), No. 1, pp. 45–52.
ISSN 0974-7117.

1. Moerenhout, Jeremie. "Chiral polytopes arising from almost-simple groups with socle $PSL(2, q)$ ". Doctoral Theses. University of Auckland, New Zealand. (2017) (scholar.google.com)

A [11]: Conder, Marston and Hubard, Isabel and O'Reilly-Regueiro, Eugenia and Pellicer, Daniel.
Construction of chiral 4-polytopes with alternating or symmetric automorphism group.
Journal of Algebraic Combinatorics. An International Journal, Vol. 42, (2015), No. 1,
pp. 225-244. ISSN 0925-9899.

1. Leemans, Dimitri and Moerenhout, Jérémie. "Chiral polyhedra arising from almost simple groups with socle $PSL(2, q)$ ". *Journal of Algebraic Combinatorics. An International Journal*, Vol. 44, (2016), No. 2, pp. 293–323. ISSN 0925-9899. (mathscinet)
2. Zhang, Weijuan. "Constructions for Chiral Polytopes". Doctoral Theses. (2016), The University of Auckland. (scholar.google.com)
3. Moerenhout, Jeremie. "Chiral polytopes arising from almost-simple groups with socle $PSL(2, q)$ ". Doctoral Theses. University of Auckland, New Zealand. (2017) (scholar.google.com)
4. Zhang, Wei-Juan. "Three infinite families of chiral 4-polytopes with symmetric automorphism groups". *Journal of Algebraic Combinatorics. An International Journal*, Vol. 57, (2023), No. 2, pp. 421–438. ISSN 0925-9899. (mathscinet)

A [12]: Arroyo, Aubin and Hubard, Isabel and Kutnar, Klavdija and O'Reilly, Eugenia and Šparl, Primož.

Classification of symmetric Taba

cjn graphs.

Graphs and Combinatorics, Vol. 31, (2015), No. 5, pp. 1137–1153. ISSN 0911-0119.

1. Jajcay, Robert and Miklavič, Štefko and Šparl, Primož and Vasiljević, Gorazd. "On certain edge-transitive bicirculants". *Electronic Journal of Combinatorics*, Vol. 26, (2019), No. 2, Paper No. 2.6, 28. (mathscinet)
2. Marušič, Dragan. "Bicirculants via imprimitivity block systems". *Mediterranean Journal of Mathematics*, Vol. 18, (2021), No. 3, Paper No. 116, 15. ISSN 1660-5446. (mathscinet)
3. Devillers, Alice and Giudici, Michael and Jin, Wei. "Arc-transitive bicirculants". *Journal of the London Mathematical Society. Second Series*, Vol. 105, (2022), pp. 1–23. ISSN 0024-6107. (mathscinet)

4. Kovács, István and Ruff, János. "On certain edge-transitive bicirculants of twice odd order. Electronic Journal of Combinatorics, Vol. 29, (2022), No. 3, Paper No. 3.48, 17. (mathscinet)

- A [13]:** Leemans, Dimitri and Moerenhout, Jérémie and O'Reilly-Regueiro, Eugenia. Projective linear groups as automorphism groups of chiral polytopes. *Journal of Geometry*. Vol. 108, (2017), No. 2, pp. 675–702. ISSN 0047-2468.
1. Montero, Antonio. "Locally spherical hypertopes from generalised cubes". ArXiv. Preprint arXiv:2001.11082 (2020) (scholar.google.com)
 2. Montero, Antonio. "On the Schläfli symbol of chiral extensions of polytopes". *Discrete Mathematics*, Vol. 344, (2021), No. 11, Paper No. 112507, 16. ISSN 0012-365X. (mathscinet)

- A [14]:** Delgado-Escalante, Pietra and Galeana-Sánchez, Hortensia and O'Reilly-Regueiro, Eugenia.

Alternating kernels.

Discrete Applied Mathematics. The Journal of Combinatorial Algorithms, Informatics and Computational Sciences, Vol. 236, (2018), pp. 153–164. ISSN 0166-218X.

1. Bai, Yandong and Li, Binlong and Zhang, Shenggui. "Kernels by rainbow paths in arc-colored tournaments". *Discrete Applied Mathematics. The Journal of Combinatorial Algorithms, Informatics and Computational Sciences*, Vol. 282, (2020), ISSN 0166-218X. (mathscinet)
2. Campero-Alonso, José Manuel and Sánchez-López, Rocío. " H -kernels in unions of H -colored quasi-transitive digraphs". *Discussiones Mathematicae. Graph Theory*, Vol. 41, (2021), No. 2, pp. 391–408. ISSN 1234-3099. (mathscinet)
3. Li, Ruijuan and Cao, Yanqin and Zhang, Xinhong. "On kernels by rainbow paths in arc-coloured digraphs". *Open Mathematics*, Vol. 19, (2021), No. 1, pp. 268–283. (mathscinet)
4. López-Ortiz, Marco Antonio and Sánchez-López, Rocío. "Restricted domination in quasi-transitive and 3-quasi-transitive digraphs". *Discrete Applied Mathematics. The Journal of Combinatorial Algorithms, Informatics and Computational Sciences*. Vol. 304, (2021), pp. 352–364. ISSN 0166-218X. (mathscinet)

- A [15]:** Galeana-Sánchez, Hortensia and O'Reilly-Regueiro, Eugenia.

H-absorbence and *H*-independence in 3-quasi-transitive *H*-coloured digraphs.

Contributions to Discrete Mathematics, Vol. 16, (2021), No. 1, pp. 150–159.

- A [16]:** O'Reilly-Regueiro, Eugenia and Rodríguez-Fitta, José Emanuel.

A parametrisation for symmetric designs admitting a flag-transitive, point-primitive automorphism group with a product action.

Ars Mathematica Contemporanea, Vol. 23, (2023), No. 2, Paper No. 4, 14. ISSN 1855-3966.