

Publications by Péter P. Pálfy

1. P. P. Pálfy, On certain congruence lattices of finite unary algebras, *Comment. Math. Univ. Carolinae* 19 (1978), 89–95. **MR** 57#12352
2. B. Biró, E. W. Kiss, P. P. Pálfy, On the congruence extension property,
 - a: *Colloq. Math. Soc. J. Bolyai* 29, Universal Algebra, Esztergom, 1977 (B. Csákány, E. Fried, E. T. Schmidt editors) North-Holland (1981), 129–151. **MR** 83f:08005
 - b: *Semigroup Forum* 15 (1977), 183–184. **MR** 57#6246
3. P. P. Pálfy, On regular pronormal subgroups of symmetric groups, *Acta Math. Acad. Sci. Hungar.* 34 (1979), 287–292. **MR** 81j:20012
4. P. P. Pálfy, P. Pudlák, Congruence lattices of finite algebras and intervals in subgroup lattices of finite groups, *Algebra Universalis* 11 (1980), 22–27. **MR** 82g:08003
5. P. P. Pálfy, L. Szabó, Á. Szendrei, Algebras with doubly transitive automorphism groups, *Colloq. Math. Soc. J. Bolyai* 28, Finite algebra and multiple-valued logic, Szeged, 1979 (B. Csákány, I. Rosenberg editors) North-Holland (1981), 521–535. **MR** 83f:08008
6. P. P. Pálfy, Groups with two non-linear irreducible representations, *Ann. Univ. Sci. Budapest. Sect. Math.* 24 (1981), 181–192. **MR** 88a:20018
7. P. P. Pálfy, On faithful irreducible representations of finite groups, *Studia Sci. Math. Hungar.* 14 (1979), 95–98. **MR** 83i:20008
8. P. P. Pálfy, A polynomial bound for the orders of primitive solvable groups, *J. Algebra* 77 (1982), 127–137. **MR** 84c:20007
9. L. Babai, P. J. Cameron, P. P. Pálfy, On the orders of primitive groups with restricted nonabelian composition factors, *J. Algebra* 79 (1982), 161–168. **MR** 84e:20003
10. P. P. Pálfy, L. Szabó, Á. Szendrei, Automorphism groups and functional completeness, *Algebra Universalis* 15 (1982), 385–400. **MR** 84d:08002
11. P. P. Pálfy, M. Szalay, On a problem of P. Turán concerning Sylow subgroups, *Studies in pure mathematics to the memory of Paul Turán*, Akadémiai Kiadó (Budapest, 1983), 531–542. **MR** 87d:11073
12. P. P. Pálfy, M. Szalay, The distribution of the character degrees of the symmetric p -groups, *Acta Math. Hungar.* 41 (1983), 137–150. **MR** 84h:20073
13. P. P. Pálfy, One-step and two-step nonabelian groups, *Studia Sci. Math. Hungar.* 16 (1981), 471–476. **MR** 84m:20026
14. P. P. Pálfy, Unary polynomials in algebras, I, *Algebra Universalis* 18 (1984), 262–273. **MR** 86h:08001a
15. P. P. Pálfy, Á. Szendrei, Unary polynomials in algebras, II, *Contributions to General Algebra* 2, Klagenfurt, 1982 (G. Eigenthaler, H. K. Kaiser, W. B. Müller, W. Nöbauer editors) Verlag Hölder-Pichler-Tempsky (Wien, 1983), 273–290. **MR** 86h:08001b
16. P. P. Pálfy, On the chromatic number of certain highly symmetric graphs, *Discrete Math.* 54 (1985), 31–38. **MR** 86i:05061

17. E. Lukács, P. P. Pálfy, Modularity of the subgroup lattice of a direct square, *Arch. Math.* 46 (1986), 18–19. **MR** 87d:20031
18. E. Fried, P. P. Pálfy, On a problem of Baldwin and Berman, *Acta Sci. Math.* 49 (1985), 101–106. **MR** 87h:08002
19. M. Gould, J. A. Iskra, P. P. Pálfy, Embedding in globals of finite semilattices, *Czecho-slovak Math. J.* 36 (1986), 87–92. **MR** 87d:20081
20. P. P. Pálfy, On partial ordering of chief factors in solvable groups, *Manuscripta Math.* 55 (1986), 219–232. **MR** 87c:20046
21. P. P. Pálfy, The arity of minimal clones, *Acta Sci. Math.* 50 (1986), 331–333. **MR** 88j:08004a
22. P. P. Pálfy, Isomorphism problem for relational structures with a cyclic automorphism, *Europ. J. Combinatorics* 8 (1987), 35–43. **MR** 88i:05097
23. P. Erdős, P. P. Pálfy, M. Szegedy, $a \pmod{p} \geq b \pmod{p}$ for all primes p implies $a = b$, *Amer. Math. Monthly* 94 (1987), 169–170. **MR** 87k:11003
24. P. P. Pálfy, Distributive congruence lattices of finite algebras, *Acta Sci. Math.* 51 (1987), 153–162. **MR** 88m:08003
25. Erdős P., Pálfy P. P., Direkt szorzatra nem bontható csoportok rendjéről, *Matematikai Lapok* 33 (1986), 289–298. **MR** 89j:11093
26. P. P. Pálfy, On Feit’s examples of intervals in subgroup lattices, *J. Algebra* 116 (1988), 471–479. **MR** 90a:20052
27. P. P. Pálfy, M. Szalay, Further probabilistic results on the symmetric p -groups, *Acta Math. Hung.* 53 (1989), 173–195. **MR** 90g:11109
28. J. Demetrovics, G. O. H. Katona, P. P. Pálfy, On the number of unions in a family of sets, *Ann. New York Acad. Sci.* 555 (1989), 150–158. **MR** 90g:05005
29. P. P. Pálfy, On the structure of a real crossed group algebra, *Bull. Austral. Math. Soc.* 41 (1990), 113–115. **MR** 91c:16028
30. P. P. Pálfy, Modular subalgebra lattices, *Algebra Universalis* 27 (1990), 220–229. **MR** 91c:08003
31. Gy. Károlyi, S. J. Kovács, P. P. Pálfy, Doubly transitive permutation groups with abelian stabilizers, *Aequationes Math.* 39 (1990), 161–166. **MR** 91g:20004
32. P. P. Pálfy, Bounds for linear groups of odd order, Proc. Second Int. Group Theory Conf., Bressanone/Brixen, 1989 (O. H. Kegel, F. Menegazzo, G. Zacher editors) *Suppl. Rendiconti Circ. Mat. Palermo* 23 (1990), 253–263. **MR** 91h:20068
33. P. P. Pálfy, Isomorphism types of minimal non-nilpotent groups, *Arch. Math.* 55 (1990), 224–230. **MR** 91h:20035
34. P. P. Pálfy, J. Saxl, Congruence lattices of finite algebras and factorizations of groups, *Communications in Algebra* 18 (1990), 2783–2790. **MR** 91h:08003
35. B. A. Davey, J. B. Nation, R. N. McKenzie, P. P. Pálfy, Braids and their monotone clones, *Algebra Universalis* 32 (1994), 153–176. **MR** 95i:08005

36. P. P. Pálfy, Intervals in subgroup lattices of finite groups, Groups'93 Galway/St Andrews, vol. 2 (C. M. Campbell, T. C. Hurley, E. F. Robertson, S. J. Tobin, J. J. Ward editors) London Math. Soc. Lecture Notes Ser., vol. 212, Cambridge University Press (1995) 482–494. **MR** 96k:20043
37. P. P. Pálfy, Cs. Szabó, An identity for subgroup lattices of Abelian groups, *Algebra Universalis* 33 (1995), 191–195. **MR** 96b:20038
38. P. P. Pálfy, Cs. Szabó, Congruence varieties of groups and Abelian groups, Lattice Theory and Its Applications, a volume in honor of Garrett Birkhoff's 80th birthday, Darmstadt, 1991 (K. A. Baker, R. Wille editors) Heldermann Verlag (Lemgo, 1995) 163–183. **MR** 96k:20052
39. R. Freud, P. P. Pálfy, On the possible number of elements of given order in a finite group, *Israel J. Math.* 93 (1996), 345–358. **MR** 97f:20028
40. L. Lévai, P. P. Pálfy, On binary minimal clones, *Acta Cybernetica* 12 (1996), 279–294. **MR** 97m:08005
41. L. Babai, A. J. Goodman, W. M. Kantor, E. M. Luks, P. P. Pálfy, Short presentations for finite groups, *J. Algebra* 194 (1997), 79–112. **MR** 98h:20044
42. P. P. Pálfy, The number of conjugacy classes in some quotients of the Nottingham group, *Proc. Edinburgh Math. Soc.* 41 (1998), 369–384. **MR** 99f:20030
43. P. P. Pálfy, L. Pyber, Small groups of automorphisms, *Bull. London Math. Soc.* 30 (1998), 386–390. **MR** 99g:20040
44. E. W. Kiss, P. P. Pálfy, A lattice of normal subgroups that is not embeddable in the subgroup lattice of an abelian group, *Math. Scandinavica* 83 (1998), 169–176. **MR** 99m:20059
45. P. P. Pálfy, On the character degree graph of solvable groups, I: Three primes, *Periodica Math. Hungar.* 36 (1998), 61–65. **MR** 2000c:20019
46. P. Erdős, P. P. Pálfy, On the order of directly indecomposable groups, *Discrete Math.* 200 (1999), 165–179. **MR** 2000e:20037
47. P. P. Pálfy, Estimations for the order of various permutation groups, Contributions to General Algebra 12, Proc. Vienna Conf., June 3–6, 1999 (D. Dorninger, G. Eigenthaler, M. Goldstern, H. K. Kaiser, W. More, W. B. Müller editors) Verlag Johannes Heyn (Klagenfurt, 2000), 37–49. **MR** 2001f:20003
48. P. P. Pálfy, On the character degree graph of solvable groups, II: Disconnected graphs, *Studia Sci. Math. Hungar.* 38 (2001), 339–355. **MR** 2002m:20012
49. G. Czédli, R. Halaš, K. A. Kearnes, P. P. Pálfy, Á. Szendrei, The join of two minimal clones and the meet of two maximal clones, *Algebra Universalis* 45 (2001), 161–178. **MR** 2001k:08002
50. P. P. Pálfy, On the density of the set of orders of certain groups, Paul Erdős and his Mathematics, II (G. Halász, L. Lovász, M. Simonovits, V. T. Sós editors) Bolyai Society Mathematical Studies, vol. 11 (Budapest, 2002), 513–523. **MR** 2003j:11114
51. L. Babai, W. M. Kantor, P. P. Pálfy, Á. Seress, Black-box recognition of finite simple groups of Lie type by statistics of element orders, *J. Group Theory* 5 (2002), 383–401. **MR** 2003i:20022

52. P. P. Pálfy, O. Steinfeld, Some group theoretic problems inspired by ring theoretic analogies, *Math. Pannonica* 13 (2002), 167–174. **MR** 2003j:20076
53. P. P. Pálfy, Groups and lattices, Groups St Andrews 2001 in Oxford, vol. 2 (C. M. Campbell, E. F. Robertson, G. C. Smith editors) London Math. Soc. Lecture Notes Ser., vol. 305, Cambridge University Press (2003), 428–454. **MR** 2005b:20051
54. P. Hegedűs, P. P. Pálfy, Finite modular congruence lattices, *Algebra Universalis* 54 (2005), 105–120. **MR** 2007f:08001
55. P. P. Pálfy, A non-power-hereditary congruence lattice representation of M_3 , *Publ. Math. Debrecen* 69 (2006), 361–366. **MR** 2007h:08002
56. P. P. Pálfy, Maximal clones and maximal permutation groups, *Discuss. Math. Gen. Algebra Appl.* 27 (2007), 277–291. **MR** 2008m:08006
57. C. H. Li, Z. P. Lu, P. P. Pálfy, Further restrictions on the structure of finite CI-groups, *J. Algebraic Comb.* 26 (2007), 161–181. **MR** 2008g:20048
58. P. P. Pálfy, Some functionally complete minimal clones, *Acta Sci. Math.* 73 (2007), 487–495. **MR** 2008m:08005
59. L. Babai, P. P. Pálfy, J. Saxl, On the number of p -regular elements in simple groups, *LMS J. Comput. Math.* 12 (2009), 82–119. **MR** 2010f:20017
60. P. P. Pálfy, Three remarks on absolutely solvable groups, *Beiträge Algebra Geom.* 50 (2009), 533–540. **MR** 2010k:20028
61. Z. Halasi, P. P. Pálfy, The number of conjugacy classes in pattern groups is not a polynomial function, *J. Group Theory* 14 (2011), 841–854.
62. S. P. Glasby, P. P. Pálfy, Cs. Schneider, p -groups with a unique proper non-trivial characteristic subgroup, *J. Algebra* 348 (2011), 85–109. **MR** 2012j:20059
63. M. Bianchi, A. Gillio, P. P. Pálfy, A note on finite groups in which the conjugacy class sizes form an arithmetic progression, Ischia Group Theory 2010, Proc. Conf. Ischia, Italy, 14–17 April, 2010 (M. Bianchi, P. Longobardi, M. Maj, C. M. Scoppola editors), World Scientific Publishing (Hackensack, NJ, 2012), 20–25. **MR** 3184980
64. K. J. Böröczky, P. P. Pálfy, O. Serra, On the cardinality of sumsets in torsion-free groups, *Bull. London Math. Soc.* 44 (2012), 1034–1041. **MR** 2975160

August 11, 2014