

Matrix Groups (not Linear Algebraic)

20Hxx

- [1] Emilio Bujalance, F. J. Cirre, and Marston Conder, *On full automorphism groups of Riemann surfaces*, J. Symbolic Comput. **24** (1997), 235–265.
- [2] ———, *On extendability of group actions on compact Riemann surfaces*, Trans. Amer. Math. Soc. **355** (2003), no. 4, 1537–1557 (electronic). MR MR1946404 (2003k:20079)
- [3] Emilio Bujalance and Marston Conder, *On cyclic groups of automorphisms of Riemann surfaces*, J. London Math. Soc. (2) **59** (1999), no. 2, 573–584. MR MR1709666 (2000g:20098)
- [4] Marston Conder, *The genus of compact Riemann surfaces with maximal automorphism group*, J. Algebra **108** (1987), no. 1, 204–247. MR MR887205 (88f:20063)
- [5] Marston Conder, C. Maclachlan, G. J. Martin, and E. A. O’Brien, *2-generator arithmetic Kleinian groups. III*, Math. Scand. **90** (2002), no. 2, 161–179. MR MR1895609 (2003b:20071)
- [6] A. S. Detinko and D. L. Flannery, *Algorithms for computing with nilpotent matrix groups over infinite domains*, J. Symbolic Comput. **43** (2008), no. 1, 8–26. MR MR2381967 (2008j:20156)
- [7] Rene P. Felix, *The finite quotient groups of the plane crystallographic group $p6m$* , Matimyás Mat. (1989), no. 1, 39–49. MR MR1040006 (90m:20054)
- [8] D. L. Flannery, *Irreducible monomial linear groups of degree four over finite fields*, Internat. J. Algebra Comput. **14** (2004), no. 3, 253–294. MR MR2075154 (2005d:20094)
- [9] Derek F. Holt and E. A. O’Brien, *A computer-assisted analysis of some matrix groups*, J. Algebra **300** (2006), no. 1, 199–212. MR MR2228643
- [10] Stephen P. Humphries, *Some subgroups of $\mathrm{SL}(3, \mathbf{Z})$ generated by involutions*, Glasgow Math. J. **32** (1990), no. 2, 127–136. MR MR1058525
- [11] Sadok Kallel and Denis Sjerve, *On the group of automorphisms of cyclic covers of the Riemann sphere*, Math. Proc. Cambridge Philos. Soc. **138** (2005), no. 2, 267–287. MR MR2132169 (2006c:20106)

- [12] Markus Kirschmer, *Finite symplectic matrix groups*.
- [13] C. R. Leedham-Green and E. A. O'Brien, *Recognising tensor-induced matrix groups*, J. Algebra **253** (2002), no. 1, 14–30. MR MR1925006 (2003g:20089)
- [14] Coy L. May and Jay Zimmerman, *The groups of symmetric genus $\sigma \leq 8$* , Comm. Algebra **36** (2008), no. 11, 4078–4095. MR MR2460404 (2009i:14038)
- [15] Gabriele Nebe, *Finite quaternionic matrix groups*, Represent. Theory **2** (1998), 106–223 (electronic). MR MR1615333 (99f:20085)
- [16] J. Opgenorth, W. Plesken, and T. Schulz, *Crystallographic algorithms and tables*, Acta Cryst. Sect. A **54** (1998), no. 5, 517–531. MR MR1645546 (99h:20082)
- [17] Kathleen L. Petersen, *One-cusped congruence subgroups of Bianchi groups*, Math. Ann. **338** (2007), no. 2, 249–282. MR MR2302062 (2008b:20063)
- [18] W. Plesken and D. Robertz, *Representations, commutative algebra, and Hurwitz groups*, J. Algebra **300** (2006), no. 1, 223–247. MR MR2228645
- [19] Wilhelm Plesken and Tilman Schulz, *Counting crystallographic groups in low dimensions*, Experiment. Math. **9** (2000), no. 3, 407–411. MR MR1795312
- [20] Gerhard Rosenberger, *Von Untergruppen der Triangel-Gruppen*, Illinois J. Math. **22** (1978), no. 3, 404–413. MR MR497484 (81g:20092)
- [21] Alexander Stein, *On Bruck loops of 2-power exponent, II*, 2009.
- [22] M. Chiara Tamburini and M. Vsemirnov, *Irreducible $(2, 3, 7)$ -subgroups of $\mathrm{PGL}_n(\mathbf{F})$, $n \leq 7$* , J. Algebra **300** (2006), no. 1, 339–362. MR MR2228652
- [23] John Voight, *Computing fundamental domains for Fuchsian groups*, J. Théor. Nombres Bordeaux **21** (2009), no. 2, 469–491. MR MR2541438
- [24] Reza Zomorrodian, *On a theorem of supersoluble automorphism groups*, Proc. Amer. Math. Soc. **131** (2003), no. 9, 2711–2713 (electronic). MR MR1974326 (2004d:20060)