

## Errata

*Page 33.* Table 1.3. In Case U when  $n = 2$ , we have  $|\Gamma : C| = e$  rather than  $2e$ , and the same for the projective groups.

*Page 53.* In the statement of Lemma 1.13.5(iii), both occurrences of  $q^{e/2}$  should be  $p^{e/2}$ .

*Page 70.* The third sentence of Section 2.2.6 is wrong. The normalisers of the extraspecial groups of type  $r_-^{1+2m}$  are not maximal because they are imprimitive and properly contained in maximal subgroups of type  $\mathcal{C}_2$ , and not for the reason given.

*Page 73, Table 2.11.* The group in Case **L** of type  $\mathrm{GU}_n(q^{1/2})$  should have shape  $\mathrm{SU}_n(q^{1/2}).[(q^{1/2} - 1, n)]$ , and the group in Case **L** of type  $\mathrm{GO}_n^\varepsilon(q)$  should have shape  $\mathrm{SO}_n^\varepsilon(q).[(q - 1, n)]$ .

*Page 150.* In line 2 of the second paragraph, the final section of the paper is Section 4.10, not Section 4.9.

*Page 203.* Line 3 of proof of Proposition 4.7.8 should read: “stabilised by the  $2_3$  automorphism and interchanged by the  $2_1$  and  $2_2$  automorphisms”.

*Page 204, line 9.* Omit the generator  $\phi$  from the presentation.

*Pages 195 and 200.* In Theorems 4.7.1 and 4.7.6, it should be assumed that  $G$  is a maximal  $\mathcal{S}_1$ -subgroup of  $\Omega$ .

*Page 205, line 16.* Replace “induces the  $2_3$  automorphism” by “induces the  $2_2$  automorphism”.

*Page 212.* In line 5 of the proof of Proposition 4.8.3, replace “non-trivial representation” by “faithful representation”.

*Page 249.* In line 2 of the proof of Proposition 4.9.67, the name of the computer file should be `133d12calc` (not `1211d12calc`).

*Page 250.* In the proof of Proposition 4.9.68, the name of the file containing the MAGMA calculation is `a14d12f7calc`.

The “straightforward calculation” referred to at the end of the proof of Proposition 4.9.69 can also be found in this file.

*Page 292* Just before Proposition 5.4.7, then in its statement, and then in its proof, the group  $\mathrm{SL}_4^\pm(q)/\langle -I \rangle$  is isomorphic to  $\frac{(q\pm 1)}{4} \cdot \mathrm{L}_4^\pm(q)$ , rather than  $\frac{(q\pm 1)}{4} \cdot \mathrm{SL}_4^\pm(q)$ .

*Page 294.* In line  $-3$ , replace  $x^2$  by  $x^{n-2}$ .

*Pages 312, 314, 318.* The references to Theorem 4.3.1 at the beginnings of the proofs of Propositions 5.9.4, 5.9.9, 5.9.10, and 5.10.5 should all be replaced by Theorem 5.8.1.

*Page 339.* The representation of  $A_6$  in line 14 is imprimitive only when  $p \equiv 1 \pmod{4}$ . It is primitive when  $p \equiv 3 \pmod{4}$ .

*Page 376.* The sentence in lines 7–11 is inaccurate. It should read as follows.

We see in entry N5 of the auxiliary table that the normaliser of  $H$  is maximal under subgroups of  $S_3$  that are not contained in  $\langle \gamma\delta' \rangle$ . So the normaliser of  $H^\delta$  is maximal under subgroups of  $S_3$  that are not contained in  $\langle \gamma\delta' \rangle^\delta = \langle \gamma \rangle$ . Equivalently, the normalisers of  $H$  are maximal subgroups of  $P\Omega_8^+(3) \cdot \langle \gamma \rangle$  (the elements of  $PGO_8^+(3)$  of spinor norm 1), of  $P\Omega_8^+(3) \cdot \langle \delta' \rangle = PSO_8^+(3)$ , and of  $P\Omega_8^+(3) \cdot \langle \gamma, \delta' \rangle = PGO_8^+(3)$ , but are otherwise non-maximal; and the normalisers of  $H^\delta$  are maximal subgroups of  $P\Omega_8^+(3) \cdot \langle \gamma\delta' \rangle$ ,  $P\Omega_8^+(3) \cdot \langle \delta' \rangle = PSO_8^+(3)$ , and of  $P\Omega_8^+(3) \cdot \langle \gamma, \delta' \rangle = PGO_8^+(3)$ , but are otherwise non-maximal

*Page 378, Table 8.3.* The structure of the first maximal subgroup should be  $E_4^2 : GL_2(q)$ .

*Page 418, Table 8.70.* The stabiliser of the groups in  $\mathcal{C}_6$  should be  $\langle \gamma, \phi \rangle$ .

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