Errata

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

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 $\mathrm{GO}^\varepsilon_n(q)$ should have shape $\mathrm{SO}^\varepsilon_n(q).[(q-1,n)]$.

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 ϕ 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 $\mathscr{S}_1$-subgroup of Ω.

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 49.67, the name of the computer file should be `l33d12calc` (not `l211d12calc`).

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 $\mathrm{SL}^\pm_4(q)/\langle -I\rangle$ is isomorphic to $\frac{(q\pm1)}{4}\cdot\mathrm{L}^\pm_4(q)$, rather than $\frac{(q\pm1)}{4}\cdot\mathrm{SL}^\pm_4(q)$.

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

Page 339. The representation of A_6 in line 14 is imprimitve only when $p \equiv 1 \bmod 4$. It is primitive when $p \equiv 3 \bmod 4$.

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 S3 that are not contained in $\langle\gamma\delta'\rangle$. So the normaliser of H^δ is maximal under subgroups of S3 that are not contained in $\langle\gamma\delta'\rangle^\delta = \langle\gamma\rangle$.

Equivalently, the normalisers of H are maximal subgroups of $\mathrm{P}\Omega_8^+(3).\langle\gamma\rangle$ (the elements of $\mathrm{PGO}_8^+(3)$ of spinor norm 1), of $\mathrm{P}\Omega_8^+(3).\langle\delta'\rangle = \mathrm{PSO}_8^+(3)$, and of $\mathrm{P}\Omega_8^+(3).\langle\gamma,\delta'\rangle = \mathrm{PGO}_8^+(3)$, but are otherwise non-maximal; and the normalisers of H^δ are maximal subgroups of $\mathrm{P}\Omega_8^+(3).\langle\gamma\delta'\rangle$, $\mathrm{P}\Omega_8^+(3).\langle\delta'\rangle = \mathrm{PSO}_8^+(3)$, and of $\mathrm{P}\Omega_8^+(3).\langle\gamma,\delta'\rangle = \mathrm{PGO}_8^+(3)$, but are otherwise non-maximal

Page 378, Table 8.3. The structure of the first maximal subgroup should be $\mathrm{E}_q^2{:}\mathrm{GL}_2(q)$.

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

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