

The Geometry of the Classical Groups

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Errata

Page	Line	
21	1	In Theorem 4.2 (ii) and (iii), the transformations are transvections.
24	11	insert missing full stop.
32	13	change “to to” to “to”
37	-9	change “ w_j ” to “ ω_j ”
37	-3	change “ $X_{\pi(i)}$ ” to “ $X_{\pi(i),\pi(i+1)}$ ”
37	-2	change “ π ” to “ π^{-1} ”
38	2	change “ π ” to “ π^{-1} ”
48	-14	change “ $z \mapsto z^{-1}$ ” to “ $z \mapsto -z^{-1}$ ”
53	-2	change “ $\hat{\beta}(u, v) := \beta(v, u)b$ ” to “ $\hat{\beta}(u, v) := \beta(u, v)b$ ”
54	10	change “is odd” to “is not two”
57	12	change “Exercise 2.12” to “Exercise 2.18”
57	21	change “ $f'^{-1}f$ ” to “ $g'^{-1}f$ ”
57	-9	begin new paragraph with “If $U \not\subseteq P^\perp$ ”
62	5	change “supspaces” to “subspaces”
105	5	should be “... any two varieties x and y of Γ ...”
105	20	change “ $k \in I$ ” to “ $k \in I \setminus \{j\}$ ”
105	22	change “ $\{i, j\}$ ” to “ $\{k, j\}$ ”
106	11	change “the the” to “the”
118	3 - 6	change “ $e_1, e_2 \dots$ ” to “ e_1, f_1, \dots ”
118	7	change “ q^{2n-5} ” to “ q^{2n-7} ”
119	-8	change “ $a\bar{d} - \bar{b}c = 1$ ” to “ $a\bar{d} + \bar{b}c = 1$ ”
119	-7	change “ $s \in \mathbb{F}$ ” to “ $s \in \mathbb{F}^\times$ ”
133	13	change “the the” to “the”
135	2	change “ $\langle X, X_\pi \rangle$ ” to “ $\langle X, \hat{\pi}(X) \rangle$ ”
135	16	change “restriction” to “restrictions”
137	18	change “ $\Omega(V)$ ” to “ $P\Omega(V)$ ”
142	-4	change “ $z \mapsto z^{-1}$ ” to “ $z \mapsto -z^{-1}$ ”
146	7	change “ $(1t)f$ ” to “ $(1-t)f$ ”
150	8	change “ $Q(u) - v$ ” to “ $Q(v)u - v$ ”
153	11	remove space before the comma.
153	-13	change “ $v \in [V, f]$ ” to “ $u \in [V, f]$ ”
154	12	remove the reference to I in Lemma 11.34
155	-2	change “ $(1 - \rho_{u,v})^3 = 1$ ” to “ $(1 - \rho_{u,v})^3 = 0$ ”
155	-1	change “ $(1 - \rho_{u,v})^2 = 1$ ” to “ $(1 - \rho_{u,v})^2 = 0$ ”

Page	Line	
159	8	change “show” to “shown”
159	8	change “ $\dim[V, f] = 2r$ ” to “ $\dim V = 2r$ ”
159	10	change “is singular and $\dim[V, f] = 2r$ ” to “is totally singular and $\dim V = 2r$ ”
170	-11	change “ $t(E) = F, \dots$ ” to “ $t(E) = E$ or E is adjacent to $t(E)$ ”
172	-6	change “isotropic” to “singular”
175	-1	add to Exercise 11.10: “(v) Use a similar argument to show that $O^-(4, 2) \simeq S_5$ ”
178	-12	change “isotropic” to “singular”
183	-11	change “ $\sum_S \omega_S(\xi)$ ” to “ $\sum_S a_S \omega_S(\xi)$ ”
197	-1	change “singular points” to “singular lines”
211	3	insert “(of Witt index 2)” after “on V ”
211	-9	change “ $q^2 - 2aq + Q(q) = 0$ ” to “ $q^2 - aq + Q(q) = 0$ ”
213	19	change “Algèbre” to “Algèbre”
218	3	insert a reference to R. Ree, On some simple groups defined by Chevalley, <i>Trans. Amer. Math. Soc.</i> 84 (1957), 392–400.
218	-14	change “aggregration” to “aggregation”
220	-9	add comma after “Ringe”
221	22	change “ $\Delta_\pi(V)$ 63” to “ $\Delta_\pi(V)$ 62”

Last revised: 7 June 2007