

Errata for 'Unitary Reflection Groups'

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- Page 2, line 6 The citation should be to **210**, not **209**.
- Page 16, line 7 Change 'M of V' to 'of V'.
- Page 21, line 15 Change ' $\mu(A)w\Sigma = \Sigma$ ' to ' $\mu(A)W\Sigma = \Sigma$ '.
- Page 23, line 11 Change 'primitive group' to 'a primitive group'.
- Page 24, line -4 Change $g.h := (h_{g(1)}, h_{g(2)}, \dots, h_{g(n)})$ to $g.h := (h_{g^{-1}(1)}, h_{g^{-1}(2)}, \dots, h_{g^{-1}(n)})$.
- Page 26, line -2 Proposition 2.10 should read: If $n > 1$, then $G(m, p, n)$ is an imprimitive unitary reflection group. If $m > 1$, then $G(m, p, n)$ is irreducible except when $(m, p, n) = (2, 2, 2)$.
- Page 29, line -16 Change 'then H is conjugate to' to 'then $m \geq 4$ and H is conjugate to'.
- Page 49, line -6 Change 'by g ' to 'by G '.
- Page 49, line -5 Change 'hence $gP = P$ ' to 'hence $gP = P$ for all $g \in G$ '.
- Page 55, lines -1, -2 The index i runs from 0 to k . That is, the sentence should read: 'The k^{th} graded component of $M \otimes N$ is $\bigoplus_{i=0}^k M_i \otimes N_{k-i}$ and so the coefficient of t^k in $P_{M \otimes N}(g, t)$ is $\sum_{i=0}^k \text{trace}(g, M_i) \text{trace}(g, N_{k-i})$ '.
- Page 72, lines 13 \dots 16 Change to: 'Given $T \in U_2(\mathbb{C})$, put $q := T(1)$. Then $q \in S^3$, $R(q)T$ fixes 1 and hence leaves its orthogonal complement $\mathbb{C}j$ invariant. Consequently $R(q)T(j) = \alpha^2 j$ for some $\alpha \in \mathbb{C}$. In fact $\alpha \in S^1$ because $R(q)T$ preserves the hermitian form. Thus $T = L(\alpha)R(q^{-1}\alpha)$ '.
- Page 84, line 13 Change 'exponent of G ' to 'exponent of \widehat{G} '.
- Page 104, line -13 Include: 'and let $B_n^{(k)}$ be the line system for the group $G(k, 1, n)$ '.
- Page 104, line -4 Change ' $n \geq 4$ ' to ' $n \geq 5$ '.
- Page 139, line 9 **Additional explanation:** If V_λ were H -invariant, then V_λ would be a sum of isotypic components of the H -module V . Since H is a normal subgroup of G , the images of V_λ under the action of G would be a system of imprimitivity for G .
- Page 154, line -8 Change ' $\ell \in S$ ' to ' $\ell \in \mathcal{L}$ '.
- Page 157, line -7 Change ' $u.v \in L$ ' to ' $u, v \in L$ '.
- Page 164, line 13 Change ' $W(\mathcal{N}_4)$ ' to ' $W(\mathcal{N}_4)$ '.

- Page 166, line 15 Add the sentence ‘By construction, the group $G(3, 3, 6)$ is a subgroup of $W(\mathcal{K}_6)$ and therefore $W(\mathcal{K}_6)$ contains a central element of order 6.’
- Page 172, line –7 In the summation, change ‘ $k = 0$ ’ to ‘ $k = 1$ ’.
- Page 172, line –1 Change ‘Lemma 4.14’ to ‘Theorem 4.14’.
- Page 174, line 6 Change ‘Lemma 9.8’ to ‘Lemma 9.7’.
- Page 211, line –9 Change the display to

$$0 = P_0 \subsetneq P_1 \subsetneq \cdots \subsetneq P_r \subsetneq S/\mathcal{I}(A) = \mathbb{C}[A]$$

- Page 236, line 16 Change ‘occurrences of 1’ to ‘occurrences of ζ ’.
- Page 269, line –10 Change ‘Harish–Chandra’ to ‘Harish-Chandra’.
- Page 277, line 13 Remove ‘ $\mathcal{D}_3^{(3)} \perp \mathcal{A}_2$ ’ from the entry for \mathcal{K}_5 .
- Page 249, line 2 In order for Corollary A.10 to hold we need to specify that R is an *affine domain*; that is, R is an integral domain which is finitely generated as a K -algebra, where K is a field.
- Page 249, line –6 Replace ‘ $\dim N$ ’ with ‘ $\dim R'_N$ ’.
- Page 249, line –5 Replace ‘ $\dim M$ ’ with ‘ $\dim R'_M$ ’.
- Page 249, line –2 Replace ‘ R_0 ’ with ‘ R' ’.
- Page 281, line –16 Replace ‘1985’ with ‘2003’.