

Lie Superalgebras and Enveloping Algebras.

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The most significant corrections are in red.

page 35 Lines 5-6, Replace

“The automorphism of $\mathfrak{o}(2m)$ induces a map on the Cartan subalgebra fixing ...” by

“The outer automorphism of $\mathfrak{o}(2m)$ induces a map on the dual of the Cartan subalgebra fixing ...”

page 48 In Lemma 3.4.10 replace “Suppose that $X = A, B, C$ or D , and $\sigma \in \text{Shff}_C(I_0, I_1)$.” by “Suppose that $X = A, B, C$ or D and $\sigma \in \text{Shff}(I_0, I_1)$.”

page 48 Lemma 3.4.10 should appear immediately before Theorem 3.4.8.

page 101 Replace Equation (5.2.2) with

$$\mathfrak{n}^\pm = \bigoplus_{\substack{\alpha \in Q^+ \\ \alpha \neq 0}} \mathfrak{g}^{\pm\alpha}.$$

page 191 Line -5 Replace $F^\lambda = F_{\widetilde{M}(\lambda)}$ by $F^\lambda(,) = (,)_{\widetilde{M}(\lambda)}$.

page 213 Theorem 9.2.10 is proved in arxiv 1311.0570, in the case that Π contains no non-isotropic odd root. Whether the statement about the degree of Šapovalov elements is valid in Theorem 9.2.10 if Π contains a non-isotropic odd root is open. However in this case a different bound is given in the same paper.

page 215 Line 4, replace “Thus by the results quoted above” with “Thus by Theorem 9.3.1.”

page 218 Line 5, replace $\widetilde{M}(\lambda)^{-m\gamma}$ with $\widetilde{M}(\lambda)^{\lambda-m\gamma}$.

page 220 In Lemma 9.4.3, replace (a) with (a1), and add the hypothesis

(a2) if α is odd non-isotropic, then $q = 2$ and p is odd.

page 220 Three lines after (9.4.3) replace $h_\alpha v = (p+mq)v$ by $h_\alpha v = (p+mq-1)v$.

page 237 Replace line 1 with “(c) Show that the supertrace form on \mathfrak{h} satisfies”

page 238 Line 5, replace $v_{\tilde{\lambda}}$ with v_{λ} (twice).

page 305 Line 5, replace “after Proposition 8.1.6” by “in Proposition 8.1.6”.

page 345 Line 8, replace “where” by “were”.

page 355 2 lines before 16.1.1, delete “edskip”.

page 456 In Exercise A.4.3 (a) replace “ $ef^{\ell} - f^{\ell}e = e^{\ell-1}(h - \ell + 1)$ ” by

$$“ef^{\ell} - f^{\ell}e = f^{\ell-1}(h - \ell + 1).”$$

page 486 In the Index, the Kac module is defined in section 8.2, not 8.1.