CORRECTION TO "ORTHOGONAL REPRESENTATIONS OF ALGEBRAIC GROUPS"

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The proof of Lemma II.2 is incomplete. The difficulty arises in (i) where it is stated that $\lambda = \sum_{r=1}^{n} m_r \alpha_r$ with each m_r an integer. This statement is not true in general for $G = SL(n+1, K)$. However, for this G the element g in (ii) can be easily computed as follows. Let T be diagonal matrices in G with respect to a K-rational basis $e_1, \ldots, e_{n+1}$ of V. Denote by Ψ the automorphism of G given by $h \to {}^t h^{-1}$. Then g is given by $ge_r = (-1)^{r+1} e_{n-r+2}$ for $r = 1, \ldots, n+1$. Furthermore, $\Psi \circ \theta = I_g$ and, hence, $\theta(g) = g$.

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