Journal of Algebra and Its Applications
Vol. 3, No. 2 (2004) 219

World Scientific
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RING THEORETIC PROPERTIES OF QUANTUM GRASSMANNIANS

CORRIGENDA

By
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Due to a clerical error, paper [1] was published without giving the authors an opportunity to proof-read it. For this reason, various changes that needed to be made at the last minute could not be made and some errors that were introduced in typesetting did not get corrected before publication. The following is a list of essential corrections:

- The paper was communicated by I. M. Musson, not by T. H. Lenagan.
- The coefficients on the right hand side of the commutation relations in Proposition 1.1 and Corollary 1.1 need to be adjusted. In the published version of the paper, the coefficient of $[L][L']$ on the right hand side is given as $\lambda_{[L]}(h-h^{-1})^{i_{[L]}}(-h)^{j_{[L]}}$. In fact, the correct coefficient is a sum of such terms. We thank Ken Goodearl for pointing this out to us. A similar change has to be made in Corollary 1.1. This change has no effect on the results in the paper: the important point is that in Proposition 1.1 these coefficients are elements of the Laurent polynomial algebra $\mathbb{Z}[h,h^{-1}]$, and this is what is used to derive Corollary 1.1.
- On the third line of Section 2, the reference to [6, Sec. 1] should be an internal reference to Section 1 of the paper.
- The sixth sentence of the proof of Theorem 6.1, which begins "If $r \in R$ is such that $rb \in aR \ldots$" should read "If $r \in R$ is such that $rb \in aR$, then when we write r as a linear combination of preferred products then multiplying each preferred product that occurs by b on the right still gives a preferred product, since b is the maximal element with respect to the preferred order."

References

[1] A. C. Kelly, T. H. Lenagan and L. Rigal, Ring theoretic properties of quantum grassmannians, *Journal of Algebra and its Applications* 3(1) (2004) 9–30.