

## ERRATUM TO: “GROUPOID ALGEBRAS AS CUNTZ-PIMSNER ALGEBRAS”

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In the published version [1], Lemma 9 (2) and (3) say

$$(2) \ker(\phi)^\perp = C_r^*(G_0) \cap C_0(\{g \in G_0 : s(g) \in r(G_1)\}) = \overline{\text{span}}\{fg^* : f, g \in C_c(G_1)\};$$

$$(3) \phi_{X(G)}(a) \in \mathcal{K}(X(G)) \text{ for all } a \in C_r^*(G), \text{ and the Katsura ideal } J_{X(G)} \text{ is}$$

$$J_{X(G)} = \overline{\text{span}}\{fg^* : f, g \in C_c(G_1)\}.$$

These statements are incorrect and should be replaced with

$$(2) \ker(\phi)^\perp = C_r^*(G_0) \cap C_0(\{g \in G_0 : s(g) \in \overline{r(G_1)}\}), \text{ and } \overline{\text{span}}\{fg^* : f, g \in C_c(G_1)\} \subseteq \ker(\phi)^\perp \text{ with equality if } r(G_1) \text{ is closed};$$

$$(3) \text{ the Katsura ideal } J_{X(G)} \text{ is}$$

$$J_{X(G)} = \overline{\text{span}}\{fg^* : f, g \in C_c(G_1)\}.$$

This entails modifications to the proofs of these statements as well. For details we refer the reader to Lemma 9 and Remark 10 of the updated arXiv version <https://arxiv.org/abs/1402.7126v2>. We thank James Fletcher for bringing the error to our attention.

### REFERENCES

1. Rennie, A., Robertson, D., and Sims, A., *Groupoid algebras as Cuntz-Pimsner algebras*, Math. Scand. 120 (2017), no. 1, 115–123.

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