

# Erratum to “Introduction to Soergel Bimodules” by B. Elias, S. Makisumi, U. Thiel, G. Williamson RSME Springer Series, Vol. 5, 588pp (2020)

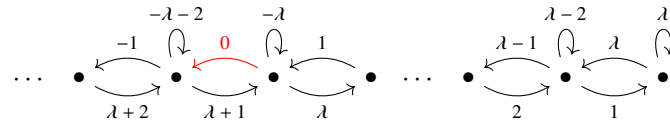
March 31, 2021

For sending us comments and corrections we would like to thank: Chun-Ju Lai, Erec Thorn.

1. Definition 6.14: replace  $\Gamma$  by  $\mathcal{G}$  at the end of the definition.
2. Theorem 9.18: the first item should read “ $\text{JW}_n$  is sent to zero...”.
3. Proof of Lemma 11.34: in the proof of the first part there’s a minor notational problem because we use  $*$  first for  $*_{\mu}$  and then for  $*_{\lambda}$ . Since  $*$  is always interpreted in context anyways, simply remove “Then for  $* = *_{\mu} \in \bar{E}(\mu, \mu)$ ”.
4. After Theorem 11.39 (p 219): replace  $\nu$  by  $\mu$  in the sentence “For any  $\lambda \in \mathcal{C}$ , the set of elements  $\mu$  for which  $\nu \not\leq \lambda$  is an ideal in  $\Lambda$ .”
5. Example 12.27: the diagrams are misplaced. The correct table is:

$\underline{f}$	000	001	010	011	100	101	110	111
$\overline{L}_{w,f}(c_{\text{bot}})$								

6. After proof of Lemma 12.6: add qed symbol.
7. After equation 13.11 (p 264): add apostrophe “of the  $h_{y,x}$ ’s” to avoid confusion.
8. Example 14.21: exchange the vertex labels 1 and 2 in the bottom row of the graph, i.e. the correct graph is



9. Exercise 14.40(6): Consider the action on the -2 weight space (instead of -1).

10. Definition 18.8: the  $R$ -bimodule structure on  $\mathbb{D}(B)$  is given by

$$(r \cdot f \cdot r')(b) := f(rbr') .$$

11. Paragraph below equation 27.10 (p 555): “The computation above can *be* done...”.