

**ERRATA FOR “INVARIANTS OF LEGENDRIAN KNOTS AND
COHERENT ORIENTATIONS”**

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These corrections are also incorporated in v3 of `arXiv:math.SG/0101145`.

- In the proof of Theorem 3.14, page 331, H is a chain homotopy, not a chain map.
- In Figure 5, page 333, the figure eight diagram is incorrectly shaded. The quadrants that should be shaded are the top and left quadrants at a_1 , and the bottom and right quadrants at a_3 .
- In Section 4.3, page 334, the signs in the differential of a_1 are incorrect. The full differential is

$$\begin{aligned} \partial a_1 &= -a_6 + a_6 a_3 + t a_6 a_3 a_5 a_6 & \partial a_4 &= 1 - a_3 - t a_5 a_6 a_3 \\ \partial a_2 &= t^{-1} + a_1 a_3 - a_6 a_3 a_4 & \partial a_7 &= t^{-1} + a_3 - t a_3 a_6 a_3 a_5 \\ & & \partial a_3 &= \partial a_5 = \partial a_6 = 0 \end{aligned}$$

and the differential for the opposite orientation is

$$\begin{aligned} \partial a_1 &= a_6 + t a_6 a_3 + t a_6 a_3 a_5 a_6 & \partial a_4 &= t^{-1} + a_3 + t a_5 a_6 a_3 \\ \partial a_2 &= 1 + t a_1 a_3 + t^2 a_6 a_3 a_4 & \partial a_7 &= 1 - a_3 - t^2 a_3 a_6 a_3 a_5 \\ & & \partial a_3 &= \partial a_5 = \partial a_6 = 0. \end{aligned}$$

- In Section 5, page 336, fourth full paragraph, the Leibniz rule sign for the figure on the bottom right should be $\text{sgn } \overline{ab_l}$ rather than $\text{sgn } \overline{ac_j}$. In the fifth paragraph, the total contribution of the marked corners at b_1 , b_l , and c_j is $-\text{sgn } b_1$, $-\text{sgn } b_l$, and 1, respectively. Equation (5.2) should read

$$(\text{sgn } \overline{ab_1})(\text{sgn } \overline{ab_l})(-\text{sgn } b_1)(-\text{sgn } b_l) = (\text{sgn } b_1)(\text{sgn } \overline{b_1 b_l})(\text{sgn } b_l) = -1.$$