

ERRATUM TO "PERMUTATION-PARTITION PAIRS:  
A COMBINATORIAL GENERALIZATION OF GRAPH EMBEDDINGS"

BY

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Lemma 3 of [1] makes a false assertion about the winding number  $\omega(P, \Pi)$ . A counterexample to the lemma is obtained by choosing  $P_1 = (123)$ ,  $P_2 = (654)$ , and  $\Pi = \{\{1, 4\}, \{2, 5\}, \{3, 6\}\}$ . Here  $\omega(P_1, \Pi) = \omega(P_2, \Pi) = 1$ , whereas  $\omega(P_1P_2, \Pi) = 0$ . This also invalidates the proof of the lower bound of Theorem 22 of [1] on the genus of the amalgamation of graphs over three points. More details will appear in [2].

REFERENCES

1. S. Stahl, *Permutation-partition pairs: A combinatorial generalization of graph embeddings*, *Trans. Amer. Math. Soc.* **259** (1980), 129–145.
2. \_\_\_\_\_, *Permutation-partition pairs. II: Bounds on the genus of the amalgamation of graphs* (in preparation).

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