

## ERRATA

### Jacobians of Finite and Infinite Voltage Covers of Graphs

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These are errata for the published dissertation.

Some corrections, rearrangements and simplifications, primarily to Chapter 5, have been incorporated in the manuscript submitted for publication, now posted on the ArXiv at <https://arxiv.org/abs/2106.11221>. Readers are asked to view that manuscript (for Chapter 5) in addition to the dissertation.

#### Section 2.2.3, Definition 19

*from:* Take a connected base graph  $X$  with vertices  $v_1, \dots, v_n$  and put the natural lexicographic resulting orientation on it, namely,  $v_i \rightarrow v_j$  when  $i < j$  as in Section 2.2.2. Take  $G$  to be a cyclic group of order  $d$  generated by  $\tau$ . Define *the single voltage assignment* to be the one whose voltage adjacency matrix has  $\tau$  in entry 1, 2,  $\tau^{-1}$  in entry 2, 1, and all other off-diagonal entries the identity.

*to:* Let  $X$  be any connected graph with vertices labeled as  $v_1, \dots, v_n$  such that  $v_1$  is adjacent to  $v_2$ . Put the natural lexicographic orientation on  $X$ : namely, for adjacent vertices  $v_i, v_j$  orient the edge as  $v_i \rightarrow v_j$  when  $i < j$  as in Section 2.2.2. Let  $G$  be the cyclic group of order  $d$  generated by  $\tau$ . Define the single voltage assignment (with respect to this labeling) to be the one whose voltage adjacency matrix has  $\tau$  in entry 1, 2,  $\tau^{-1}$  in entry 2, 1, and 1 (the identity of the group  $G$ , written multiplicatively) whenever  $v_i$  is adjacent to  $v_j$  with  $\{i, j\} \neq \{1, 2\}$ , and zeros elsewhere.