

Errata detected till September, 2024  
Computational Topology for Data Analysis  
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**All page and line numbers refer to the printed copy. In the electronic version, corrections are marked with red text.**

- page 2: Add the missing set  $\{0, 5\}$  to  $T$  in Example 1.1
- page 74: Change the paragraph after Fact 3.5 as in the electronic version.
- page 74: Change tame function definition as in electronic version.
- page 75:  $L^q$ -distance between functions need to be stated as in electronic version.
- page 76:  $a \in \bar{B}$  and  $b \in \bar{A}$ , “ $\ell := i$  and repeat” should be “ $\ell := i + 1$  and repeat”.
- page 77, Algorithm 1:  $\ell := i + 1$  and Output  $\delta_\ell$ .
- page 79: First sentence in paragraph on Pairing should be: When  $\mu_p^{i,j} \neq 0$  for some  $p \geq 0$ , destruction of a class...
- Page 84, Algorithm 3, step 6: “generate pair  $(\sigma_i, \sigma_j)$ ” should be un-commented.
- page 86, section 3.3.2: Chen and Kerber[94] should be Bauer et al. as corrected in electronic version.
- page 87, Algorithm 4, step 10: “generate pair  $(\sigma_k, \sigma_j)$ ” should be un-commented.
- page 90, Remark 3.3: discrete subposet  $A$
- page 91 bottom:  $V_{a'+\varepsilon}$  should be  $U_{a'+\varepsilon}$
- page 94, Proposition 3.10: (c) Add “Except some pathological cases,” any  $q$ -tame..
- page 108: “For efficient implementation, clearing strategy as described...presented in [21]” as written in electronic version.
- page 109: Exercise 1, change the condition for adding columns as written in electronic version.
- page 110: Exercise 8, change “unpaired” to “positive” and add the piece as written in electronic version.
- page 113, Remark 4.1: “..discrete index set  $A$ ..” as corrected in electronic version.
- page 116, last line: “..bottleneck distance of at most...”
- page 144: Definition of  $K_{[0,i]}$  and  $K_{[i,n]}$  needs to change as in electronic version.
- page 393, Definition 13.2: to be changed as in electronic version
- page 398, Theorem 13.4: “conditionally” needs to be added as in electronic version.