
Errata and Addenda to
Topological and Ergodic Theory of Symbolic
Dynamics
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I plan to maintain a list of typos, errors and useful additions, including relevant references.

Page xvii: Lemańczyk should be spelled with *cz*, not *cz*.

Page 10: For shift-commuting Cantor systems (cellular automata) that are not continuous, so without a sliding block code given by the Curtis-Hedlund-Lyndon Theorem, some results are presented in F. Blanchard, E. Formenti, P. Kůrka, *Cellular automata in the Cantor, Besicovitch, and Weyl topological spaces*, Complex Systems **11** (1997), no. 2, 107–123.

Page 82: Regarding Theorem 3.72: The references B. Li, T. Sahlsten, T. Samuel, W. Steiner, *Denseness of intermediate β -shifts of finite-type*. Proc. Amer. Math. Soc. **147** (2019), no. 5, 2045–2055 and B. Li, T. Sahlsten, T. Samuel, *Intermediate β -shifts of finite type*. Discrete Contin. Dyn. Syst. **36** (2016), no. 1, 32300344 are useful here as well.

Page 96: In the displayed formula at line 3 “containing c ” should be “containing c_n ”.

Page 131: Useful references for Example 3.135 are S. Saiki, H. Takahasi, J.A. Yorke, *Piecewise linear maps with heterogeneous chaos*, Nonlinearity **34** (2021) 5744–5761. arXiv:1903.05770 and H. Takahasi, K. Yamamoto, *Heterochaos baker maps and the Dyck system: maximal entropy measures and a mechanism for the breakdown of entropy approachability*, Preprint 2022 arXiv:2209.04905

Page 136: The period doubling substitution and the resulting Toeplitz sequence of Example 4.9 already appears in the book by Gottschalk & Hedlund [284].

Page 159: Four lines below the last displayed formula, in the formula $\chi^n \circ \tilde{\chi}$, the accent is on the wrong substitution: it should be $\tilde{\chi}^n \circ \chi$ that forces occurrences of 20 to appear at least 3^{n+1} apart.

Page 197: The result in the second bullet point requires that \mathcal{B} contains infinitely many coprimes.

Page 197: In the statement of Proposition 4.109, the factor $\log 2$ is missing.

It should read

$$h_{top}(X_{\mathcal{B}}^{her}, \sigma) = h_{top}(X_{\mathcal{B}}^{adm}, \sigma) = (\log 2)\bar{d}(F_{\mathcal{B}}) = (\log 2)\delta(F_{\mathcal{B}}).$$

Page 198: In Example 4.110 a typo in the formula of $F_{\mathcal{B}}$. It should be

$$F_{\mathcal{B}} = \{n \in \mathbb{Z} : \mu(|n|) \neq 0\}.$$

Page 201: In line 7-8, the factors are missing in the product $\prod_{j=1}^k$. It

should be $\mathbf{a}^{\prod_{j=1}^k b_j}(\underline{0})$ and $\mathbf{a}^{\prod_{j=1}^k b_j}(\eta)$.

Page 233: The book by Ian Putnam, *Cantor Minimal Systems*, Amer. Math. Soc. University Lecture series **70** (2018) should have been mentioned for this section.

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