

E R R A T A

(continuation)

to

Entropy in Dynamical Systems

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After time, new errors have been discovered or reported. Since editing the old Errata file becomes more and more tedious, this new file is appended. The new corrections are ordered independently from the old errata.

- ★ page 81, line 9: ~~Lemma~~ **Fact** 1.1.11
- ★ page 142, line 3 of the caption of Figure 5.5: ~~copies to~~ **of B**
- ★ page 189, line -7: ~~$(Tx, 1)$~~ **$(Tx, 0)$** ; $n = 0$
- ★ page 203, line 10: $\mu \mapsto \frac{1}{n}H(\mu, \mathcal{P}_\Lambda^n)$
- ★ page 222, line 3: ~~$y_k \in Y_k$~~ **$y_k \in Y_{n_k}$ (where $n_k \rightarrow \infty$)**
- ★ page 273, line 8: have positive ~~zero~~ **entropy**
- ★ page 276, line -9: $\mu \mapsto h_*(\mu, T, \mathcal{P}_{\Lambda_k})$
- ★ page 293, line -2: integral **of the logarithm** of the derivative
- ★ page 348, line 6: The definition of a subnet is not the standard one. Our definition describes in fact a *class* of subnets. With this definition the existence of a convergent subnet in a compact space (lines 4-5 on page 349) may fail (the convergent subnet may not belong to our class). Nonetheless, this imprecision does not affect the correctness of any arguments. Just replace the word “subnet” by “special subnet”. “Sub-net” (with a hyphen) maintains its meaning.
- ★ page 353, line -5 - -3: ~~Let \mathbb{B} be a Banach space. By elementary properties of the norm, the balls in this space are convex sets, so the space is locally convex.~~ **locally convex linear space. In our applications \mathbb{B} will be the dual to a Banach space equipped with the weak-star topology.**

A mistake found in “Solutions of the exercises”

Exercise 6.2: The equality $(\mathcal{U}^n)^m = \mathcal{U}^{n+m}$ does not hold (it is not true that $\mathcal{U} \vee \mathcal{U} = \mathcal{U}$). However, refining a cover with itself does not alter the value of $N(\cdot)$, in particular, $N((\mathcal{U}^n)^m) = N(\mathcal{U}^{n+m})$.