

Errata for “Asymptotic Estimates in Information Theory with Non-Vanishing Error Probabilities”

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Abstract

This document compiles a list of errata in the Foundations and Trends monograph *Asymptotic Estimates in Information Theory with Non-Vanishing Error Probabilities* [1].

1. pp. 27: 3 lines above (2.5) should read: tolerable probability of false alarm (type-I error) type-II to be changed to type-I
2. pp. 48: middle of the page should read: Hamming distortion $d(x, \hat{x}) = \mathbb{1}\{x \neq \hat{x}\}$
 $d(x, \hat{x}) = \mathbb{1}\{x \neq \hat{x}\}$ instead of $d(x, \hat{x}) = \mathbb{1}\{x = \hat{x}\}$
3. pp. 111: Case (ii) should read: $R_1^* + R_2^* = H(X_1, X_2)$ and $H(X_1|X_2) < R_1^* < H(X_1)$ (diagonal face)
 R_1^* should be in the open interval $(H(X_1|X_2), H(X_1))$ instead of being simply larger than $H(X_1|X_2)$.

References

- [1] V. Y. F. Tan. Asymptotic estimates in information theory with non-vanishing error probabilities. *Foundations and Trends* [®] *in Communications and Information Theory*, 11(1-2):1–184, 2014.

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