

List of Errata to Introduction to Multiple Antenna Communications and Reconfigurable Surfaces

Updated: January 15, 2025.

This document lists typos detected in the published manuscript of:

Emil Björnson, Özlem Tuğfe Demir (2024), “Introduction to Multiple Antenna Communications and Reconfigurable Surfaces”, Boston-Delft: now publishers, <http://dx.doi.org/10.1561/9781638283157>

This document will be updated if further typos are discovered.

Please report potential typos to us so we can verify it and then update this file. You can do this by sending an email to emilbjo@kth.se

List of Errata

- In the first sentence on page 191, “(3.102)” in “The transmitted signal \mathbf{x} in (3.102)” should be “(3.101)”.
- In the third paragraph of Example 4.4, “ $\log_2(81) = 6.34$ ” should be “ $\log_2(81) \approx 6.34$ ”.
- In Example 4.5, the sentence “The ML estimate of α is obtained by modifying (4.43) as” should be “The ML estimate of α is obtained by maximizing the the exponent in (4.39) in terms of α as”. Moreover, the sentence “We notice that $\hat{\alpha}$ is the square root of the ML estimate of β in (4.43) (when $\hat{\varphi} = \varphi$)” in the next paragraph of the same example should be removed.
- In (4.130), $\mathbf{a}_3(\varphi, \theta)$ should be $\mathbf{a}_3(\theta, 0)$.
- On footnote 2 of page 610, “A capacitor adds a positive value to X_n and an inductor adds a negative value.” should be “A capacitor adds a negative value to X_n and an inductor adds a positive value.”
- In Eqn. (4.95), $\mathbf{a}_K(\varphi_t)$ should be replaced by $\mathbf{a}_K^*(\varphi_t)$.