

List of Errata to Foundations of User-Centric Cell-Free Massive MIMO

Updated: February 22, 2022.

This documents lists typos detected in the published manuscript of:

Özlem Tuğfe Demir, Emil Björnson, and Luca Sanguinetti (2021), “Foundations of User-Centric Cell-Free Massive MIMO”, Foundations and Trends® in Signal Processing: Vol. 14: No. 3-4, pp 162-472. <http://dx.doi.org/10.1561/20000000109>

This document will be updated if further typos are discovered.

If you discover a potential typo, we appreciate if you report it to us. You can send an email to ozlemtd@kth.se

List of Errata

1. In Algorithms 3.3, 7.2, 7.4, and 7.6 the expression “is not improved more than ϵ ” should be “is either improved more than ϵ or not improved at all”.
2. In the last line of Eq. (1.17), a plus sign is missing between $\mathbf{g}_i \mathbf{g}_i^H$ and $\sigma_{UL}^2 \mathbf{I}_M$. The corrected line should be as follows:

$$\leq p \mathbf{g}_k^H \left(p \sum_{\substack{i=1 \\ i \neq k}}^K \mathbf{g}_i \mathbf{g}_i^H + \sigma_{UL}^2 \mathbf{I}_M \right)^{-1} \mathbf{g}_k$$