Errata in "Nonlinear Precoding for Quantized Outphasing RF Chains in Massive MIMO Systems"

• Equation (9) has terms with positive and negative signs interchanged. It should be

$$\operatorname{eff}(\widetilde{\boldsymbol{A}}) \ge \eta \Longleftrightarrow |a_{mn}|^2 \ge \underbrace{\eta MN - \|\bar{\boldsymbol{A}}\|_F^2 + |\bar{a}_{mn}|^2}_{\theta}.$$

Same applies to the definition of θ in Algorithm 1.

• The Lagrange multiplier λ_1 should be a part of Equations (17) and (18). The correct equations are

$$egin{aligned} ar{m{r}}[p] - ar{lpha}ar{a}_{mn}m{h}_m[0] \ &dots \ ar{m{r}}[p+L-1] - ar{lpha}ar{a}_{mn}m{h}_m[L-1] \ \sqrt{\lambda_1}\left(ar{a}_{mn}\left(m{f}_z^n
ight)^T - m{F}_z^Tar{m{a}}_m^T
ight) \ &\sqrt{\lambda_2}c_q \end{aligned} egin{aligned} ar{m{a}}m{h}_m[0] \ &dots \ ar{m{a}}m{h}_m[L-1] \ \sqrt{\lambda_1}\left(m{f}_z^n
ight)^T \ &\sqrt{\lambda_2} \end{aligned} .$$

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