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ERRATUM

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Erratum to: A Wald test with enhanced selectivity properties in homogeneous environments

Weijian Liu[1,2*], Wenchong Xie[2] and Yongliang Wang[2]

After publication of our work [1] we noticed the following mistakes:

Equation (3) should be

$$I(\theta) = \mathrm{E}\left[\left(\frac{\partial \ln f(x, X; \theta)}{\partial \theta^*} \right) \left(\frac{\partial \ln f(x, X; \theta)}{\partial \theta^T} \right) \right] \qquad (3)$$

Equation (5) should be

$$t_{\mathrm{Wald}} = \left(\hat{\theta}_{r_1} - \theta_{r_0} \right)^H \left\{ \left[I^{-1} \left(\hat{\theta}_1 \right) \right]_{\theta, \theta_r^*} \right\}^{-1} \left(\hat{\theta}_{r_1} - \theta_{r_0} \right) \qquad (5)$$

The notation "–" in equations (6), (11), and (12) should be replaced by "-", i.e., the minus sign.

Equations (17), (18), and (19) should be

$$\tilde{t}_{\mathrm{ACE}} = \frac{\tilde{x}^H P_{\tilde{s}} \tilde{x}}{\tilde{x}^H P_{\tilde{s}}^\perp \tilde{x}} = \frac{\|P_{\tilde{s}} \tilde{x}\|^2}{\|P_{\tilde{s}}^\perp \tilde{x}\|^2} \qquad (17)$$

$$t_{\mathrm{Wald}} = \frac{1}{1 + \|\tilde{x}\|^2 \|P_{\tilde{s}}^\perp \tilde{x}\|^2 / \|P_{\tilde{s}} \tilde{x}\|^2} \qquad (18)$$

and

$$\tilde{t}_{\mathrm{Wald}} = \frac{\|P_{\tilde{s}} \tilde{x}\|^2}{\|P_{\tilde{s}}^\perp \tilde{x}\|^2 \|\tilde{x}\|^2} \qquad (19)$$

respectively.

References
1. W Liu, W Xie, Y Wang, A Wald test with enhanced selectivity properties in homogeneous environments. EURASIP J Adv Signal Process **2013**, 14 (2013)

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* Correspondence: liuvjian@163.com
[1]College of Electronic Science and Engineering, National University of Defense Technology, 410073, Changsha, China
[2]Key Research Lab, Wuhan Radar Academy, 430019 Wuhan, China

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