Correction to: Solution of the weighted symmetric similarity transformations based on quaternions

H. Mercan¹ · O. Akyilmaz¹ · C. Aydin²

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In the original article, Eq. (19), the covariance matrix of the source coordinates in the second term in the parenthesis, Σ_{xyz} , has been incorrectly written as Σ_{XYZ} . Thus, Eq. (19) is incorrect, and we suggest the following correct form instead:

$$\hat{\Sigma}_{\xi} = \hat{\sigma}_0^2 \left(\tilde{A}_0^T (\Sigma_{XYZ} + \tilde{B}_{20}^T \Sigma_{xyz} \tilde{B}_{20})^{-1} \tilde{A}_0 \right)^{-1},$$

The other equations in the original article are unaffected by the error in Eq. (19).

The original article can be found online at <https://doi.org/10.1007/s00190-017-1104-0>.

✉ O. Akyilmaz
akyilma2@itu.edu.tr

H. Mercan
mercanh@itu.edu.tr

C. Aydin
caydin@ytu.edu.tr

¹ Department of Geomatics, Istanbul Technical University, 34469 Maslak, Istanbul, Turkey

² Department of Geomatics, Yildiz Technical University, 34201 Esenler, Istanbul, Turkey