Correction to "A Statistical Test of Phase Closure to Detect Influences on DInSAR Deformation Estimates Besides Displacements and Decorrelation Noise: Two Case Studies in High-Latitude Regions"

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There was a typographical error in [1, eq. (18)]. Instead of

$$Cov(\hat{\phi}_{ij}, \hat{\phi}_{kl}) = \frac{1}{2L|\gamma_{ij}||\gamma_{kl}|}(|\gamma_{ik}||\gamma_{jl}|\cos(\Xi_{i,j,k} - \Xi_{j,k,l}) \\ + |\gamma_{il}||\gamma_{jk}|\cos(\Xi_{i,j,l} + \Xi_{j,k,l})) \qquad (1)$$

the equation should read

$$Cov(\hat{\phi}_{ij}, \hat{\phi}_{kl}) = \frac{1}{2L|\gamma_{ij}||\gamma_{kl}|}(|\gamma_{ik}||\gamma_{jl}|\cos(\Xi_{i,j,k} - \Xi_{j,k,l}) \\ - |\gamma_{il}||\gamma_{jk}|\cos(\Xi_{i,j,l} + \Xi_{j,k,l})). \qquad (2)$$

The equation describes the second-order statistics of the interferometric phases. Its significance lies in the fact that from it, one can derive the statistical properties of a wide range of quantities estimated from an interferometric stack, including the closure phases that we addressed in the paper. The other equations, numerical results, and the conclusions remain unaffected, because the error was of a purely typographical nature.

REFERENCES

[1] S. Zwieback *et al.*, "A statistical test of phase closure to detect influences on DInSAR deformation estimates besides displacements and decorrelation noise: Two case studies in high-latitude regions," *IEEE Trans. Geosci. Remote Sens.*, vol. 54, no. 9, pp. 5588–5601, Sep. 2016.

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