Correction to: First-Principles Calculation of the Air-Water Second Virial Coefficient

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In the original article [1], an incorrect expression was written for the calculation of the expanded uncertainty of B_{aw}, $U(B_{aw})$, from the uncertainties of the individual components. Equation (4) should be written as

$$U(B_{aw}) = \left(\sum_{i=N_2,O_2,Ar} \left[x_i U(B_{iw}) \right]^2 \right)^{0.5}. \tag{4}$$

The uncertainty values reported in the paper were calculated with the correct expression.

We thank Robert Hellmann for noticing this error during the course of his work on Ref. [2], which to a large extent supersedes Ref. [1].

REFERENCES

1. A.H. Harvey and P.H. Huang, First-Principles Calculation of the Air-Water Second Virial Coefficient, Int. J. Thermophys. **28**, 556 (2007). https://doi.org/10.1007/s10765-007-0197-8.

2. R. Hellmann, Reference Values for the Cross Second Virial Coefficients and Dilute Gas Binary Diffusion Coefficients of the Systems (H_2O + O_2) and (H_2O + Air) from First Principles, J. Chem. Eng. Data **65**, 4130 (2020). https://doi.org/10.1021/acs.jced.0c00465.