



Corrigendum to

“From model to radar variables: a new forward polarimetric radar operator for COSMO” published in Atmos. Meas. Tech., 11, 3883–3916, 2018

Daniel Wolfensberger and Alexis Berne

LTE, Ecole polytechnique fédérale de Lausanne (EPFL), Lausanne, Switzerland

Correspondence: Alexis Berne (alexis.berne@epfl.ch)

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There were two errors in Eqs. (16) and (17) of Wolfensberger and Berne (2018). In Eq. (16), the parameter b has been added by error and should not be here. The equation is therefore as follows:

$$\frac{1}{a_r} : g_{1/a_r}(1/a_r, D) = \frac{\left(\frac{1}{a_r} - 1\right)^{\Lambda_{a_r}(D)-1} \exp\left(-\frac{\frac{1}{a_r}-1}{M(D)}\right)}{M(D)^{\Lambda_{a_r}(D)} \Gamma(\Lambda_{a_r}(D))}. \quad (1)$$

Apart from the erroneous parameter b , the equation is correct.

In Eq. (17), there is an error in the sign of the exponent and the last formula should instead be as follows:

$$M(D) = 0.06 D^{0.71}. \quad (2)$$

This error is also present in Fig. 6, where the equation is displayed in the Fig. 6a.

Note that these errors are only typographic and all scattering calculations displayed in the paper have been computed with the proper equations.

References

Wolfensberger, D. and Berne, A.: From model to radar variables: a new forward polarimetric radar operator for COSMO, Atmos. Meas. Tech., 11, 3883–3916, <https://doi.org/10.5194/amt-11-3883-2018>, 2018.