Interactive comment on “Statistically optimized inversion algorithm for enhanced retrieval of aerosol properties from spectral multi-angle polarimetric satellite observations” by O. Dubovik et al.

O. Dubovik et al.
dubovik@loa.univ-lille1.fr

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Dr. Sayer,

We thank you for the encouraging general remark about the paper.

As for the Figure 3, you are correct there is problem there. Unfortunately, at the last step of the paper type setting we have made a mistake and put the same image for both Figure 3 (left) and Figure 3(right). I have attached the correct figure for the right-hand
side of the Figure 3. Thank you for noticing.

Approximation by Log-Normals

\[ \frac{dV(r)}{d\ln r} = \sum_{i=1}^{N} c_i \frac{dv_i(r)}{d\ln r} \]

- \( dV(r) \) is the volume of the particle in the logarithmic radius space.
- \( dv_i(r) \) is the volume of the particle in the logarithmic radius space for each component.
- \( c_i \) is the concentration of each component.
- \( d\ln r \) is the change in the logarithmic radius.

Fig. 1.