

Atmos. Meas. Tech. Discuss., referee comment RC1
<https://doi.org/10.5194/amt-2021-403-RC1>, 2022
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Comment on amt-2021-403

Steven Howell (Referee)

Referee comment on "Look-up tables resolved by complex refractive index to correct particle sizes measured by common research-grade optical particle counters" by Paola Formenti et al., Atmos. Meas. Tech. Discuss.,
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While a fundamentally good idea, this manuscript is marred by an incorrect fundamental equation and apparent errors in modeling the geometries of some of the instruments. It is possible that the dataset is correct and the problems lie with the descriptions in the paper; I did not try to check the calculations directly. See the attached review for the details.

Please also note the supplement to this comment:

<https://amt.copernicus.org/preprints/amt-2021-403/amt-2021-403-RC1-supplement.pdf>