

Interactive comment on “Relation between weather radar equation and first-order backscattering theory” by F. S. Marzano and G. Ferrauto

Anonymous Referee #1

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While I found the article to be interesting and well developed mathematically. I was a little concerned about the amount of work to indicate the applicability of this theory (Section 4). I think that the paper would benefit significantly from a greater use of real data. In fact the authors state that there are an impressive number of power-law relationships available from the open literature and thus even the authors indicate a wider sensitivity study might be appropriate.

It might also be interesting to explain in more detail what impact the vertical structure of the radar reflectivity might have on the use of this theory.

Interactive comment on Atmos. Chem. Phys. Discuss., 3, 301, 2003.

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