

## ***Interactive comment on “Probabilistic analysis of ambiguities in radar echo direction of arrival from meteors” by Daniel Kastinen and Johan Kero***

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Dear Reviewer,

In my haste before vacation I accidentally miss-wrote in my last review response of major issue 1. Of course the complex space inner product applies a complex conjugation to the first element so that  $\langle \Phi(\mathbf{k}_1)e^{i\theta}, \Phi(\mathbf{k}_2)e^{i\theta} \rangle = \langle \Phi(\mathbf{k}_1), \Phi(\mathbf{k}_2) \rangle e^{-i\theta}e^{i\theta} = \langle \Phi(\mathbf{k}_1), \Phi(\mathbf{k}_2) \rangle$ , thereby the equivalent definition with the inner product does not need the absolute value to define a distance function  $d$  so that anti-directed vectors give maximum separation from the maximum.

I apologize. Best regards, Daniel

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C1

Interactive comment on Atmos. Meas. Tech. Discuss., doi:10.5194/amt-2020-157, 2020.

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