

Interactive comment on “Technical Note: On the confounding similarity of two water balance formulas – Turc-Mezentsev vs Tixeront-Fu” by Vazken Andréassian and Tewfik Sari

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The manuscript by Andréassian and Sari explains the historical background of two well known formulations which describe the partitioning of water and energy balances under climatological average conditions. They also clarify the naming of these formulas and I believe that this note can help to achieve a more consistent usage of the two formulas in the literature.

The appendix on the genealogy of the two formulations is quite a treasure and I have a small concern that it might be overseen. I think that this appendix could be a section in the main text. Only the subsection on Yang's system is a bit long, but indeed very

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interesting.

The paper is very well written and thereby provides a clear and easy to follow discussion of the hydrological interpretation and the mathematical derivation. Hence this paper will be a valuable source for hydrologists which need orientation in the vast literature on that topic.

Minor remark: Figures: the limits of the y-axis could be decreased to better see the differences. In the moment there is too much unused space.

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