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Hydrology and Earth System Sciences
Discussions

Interactive comment on "From Engineering Hydrology to Earth System Science: Milestones in the Transformation of Hydrologic Science" *by* Murugesu Sivapalan

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I am grateful to John Ding for his careful reading of the manuscript. I am thankful to him for bringing to my attention the similarity of mathematical form between the Budyko curve used in annual water balance and the Bakhmeteff function in unit hydrograph studies. I have indeed been interested in such connections - as highlighted in this manuscript between the SCS curve number of runoff generation and the annual rainfall partitioning.

However, I would not like to make a mention of it in the paper - not just yet - until I or someone had gone into it a bit deeper to recognize conceptual (not just mathematical)

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Discussion paper

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connections between the phenomena they both represent.

I am still grateful to John Ding for bringing this to my attention.

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