

Dear Dr. Bogaard,

thank you and all the reviewers for the comments. I have responded in detail during the discussion. Are these answers sufficient for you to justify my changes in the text? The main points are:

- Following Keith Beven's comment, the terms "groundwater" and "pre-event water" are now largely omitted.
- Ambiguities as to how the time delay between precipitation and baseflow is to be understood in the two algorithms should be eliminated.
- It is explicitly pointed out that this is a comparison of two algorithms and that no further statements are made about the actual reproduction of hydrological processes.

Please let me know if additional explanations are necessary.

I have one additional request: Since my contribution was classified as a "technical note", the previous version has resulted in two words followed by a colon appearing twice in succession in the title: "Technical note: Hydrograph separation: How physically based is recursive digital filtering?". Do you agree if I therefore rephrase the title as "Technical note: How physically based is hydrograph separation by recursive digital filtering?".

Sincerely,

Klaus Eckhardt