

Hydrol. Earth Syst. Sci. Discuss., author comment AC2
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Reply on RC2

Laurent Lassabatere et al.

Author comment on "Mixed formulation for an easy and robust numerical computation of sorptivity" by Laurent Lassabatere et al., Hydrol. Earth Syst. Sci. Discuss.,
<https://doi.org/10.5194/hess-2021-633-AC2>, 2022

Dear Author,

Many thanks for your comment. We will elaborate on the novelty of the proposed study in the revised version.

Briefly, the novelty relies on the proposal of a new formulation that is proven to alleviate all sources of misestimation of the sorptivity. In the revised version, which also addresses the first reviewer's comments, we extend the paper to the impact of the gain in sorptivity estimation on the quality of modeling water infiltration into soils.

Best regards,

Laurent on behalf of the authors.