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## On the lower limit of the linear recession constant

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Community comment on "Exploring the role of soil storage capacity for explaining deviations from the Budyko curve using a simple water balance model" by Jan Bondy et al., Hydrol. Earth Syst. Sci. Discuss., <https://doi.org/10.5194/hess-2021-174-CC1>, 2021

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The linear recession constant  $k_{res}$  is one of four parameters in their Budyko framework. Lower and upper limits for parameter  $k_{res}$  are set by authors in Table 2 to be 0.05/d and 0.9/d, respectively.

Among 16 study catchments in Table C-1, three of whom reach the lower limit of 0.05/d: B-5, B-7 and P-1, but none the upper limit. (In Table C-1,  $K_{res}$  to read  $k_{res}$  .)

Since one or more of these three catchments may have a lower  $k_{res}$  value than 0.05/d, I suggest the lower limit be lowered by one order of magnitude to 0.005/d.