

Earth Syst. Dynam. Discuss., author comment AC6
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Reply on CC6

Mikhail Verbitsky and Michael Mann

Author comment on "ESD Ideas: A Global Warming Scaling Law" by Mikhail Verbitsky and Michael Mann, Earth Syst. Dynam. Discuss., <https://doi.org/10.5194/esd-2021-87-AC6>, 2021

Since the magnitudes of positive and negative feedbacks are defined not by a single similarity parameter but by groups (conglomerates) of similarity parameters, the hypothesis that "climate's behavior may be largely governed by magnitudes of its positive and negative feedbacks" speaks to the reduction of the number of effective parameters and allows us to move from several similarity parameters (e.g., eight in the case of the system (1) - (3)) to just three similarity parameters and, in some circumstances, to a single conglomerate similarity parameter, the V-number.