

Interactive comment on “Climatic responses to systematic time variations of parameters: A dynamical approach” by Catherine Nicolis

Anonymous Referee #1

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The author explores what happens to a nonlinear dynamical system (with relevance to climate) when its parameters are not just "set" but they are allowed to change as a function of time. This approach, as the author states (and I agree), is fundamentally different from the current practice in climate change projections where the parameters are changed to a new level (for example, from 1xCO₂ to 2xCO₂), and then the model is left to relax at a new state. It is a compelling and interesting suggestion and the results presented very illuminating. The paper is well structured and easy to follow.

Interactive comment on Nonlin. Processes Geophys. Discuss., <https://doi.org/10.5194/npg-2018-28>, 2018.