

Interactive comment on “Numerical Bifurcation Methods applied to Climate Models: Analysis beyond Simulation” by Henk A. Dijkstra

Anonymous Referee #1

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Recommendation: Minor revisions

1) Page 2, line 3: I do not think that Lovejoy and Schertzer really believe that peaks in spectra are irrelevant. The diurnal and annual cycles are definitely of importance. I think they want to emphasize that the background spectrum is also important.

2) Page 2, lines 24-26: I understand the first part of the sentence but not the second part. This sentence should be rewritten.

3) Page 4, line 9: Also Ito noise can represent unresolved processes. The point of using Stratonovich noise is that those unresolved processes are serially correlated; whereas Ito noise would assume that the noise is serially uncorrelated.

4) A brief explanation what x and X stand for would and whether there is any real

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difference be helpful.

5) AMOC, MIS, etc should be defined at first usage.

6) Page 8, line 14: “two type” -> “two types”

7) Page 9, line 17: “also a CAM” -> “also to a CAM”

Interactive comment on Nonlin. Processes Geophys. Discuss., <https://doi.org/10.5194/npg-2019-29>, 2019.