Nonlinear Processes
in Geophysics
Discussions

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Interactive
comment

Interactive comment on "Parametric resonance in the dynamics of an elliptic vortex in a periodically strained environment" *by* Konstantin V. Koshel and Eugene A. Ryzhov

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Response to Reviewer 1's comments on the paper "Parametric resonance in the dynamics of an elliptic vortex in a periodically strained environment" by K.V. Koshel and E.A. Ryzhov.

We thank the reviewer for commenting on the manuscript. We have addressed the issues raised by the reviewer. The following is the point-by-point responses to the reviewer's list of questions:

Reviewer's comments:

this paper is interesting, well designed and well written ; it should be published

I have only technical remarks which should be taken into account before the paper is printed

page 3 lines 24-26 repeat exactly the previous sentence at lines 23-24 - they should be suppressed

page 4 line 15 there is A POSSIBLE MANIFESTATION of parametric instability

page 5 line 17 in the parameTRIC space

page 6 lines 2, 4, 13 : linear system (6) – between parentheses

page 6 line 6 : prevail AGAINST the linear unbounded motion

page 8 line 8 STEADY (a Y is missing) STATE ELLIPTIC POINT UNDER PERTURBATION

page 8 line 10 in the NONLINEAR system in question

page 8 lines 23-24 please put the references between parentheses

Author's Response: All is corrected. Thank you very much for pointing these shortcomings out.

We again thank the reviewer for the recommendations.

Best wishes, Eugene A. Ryzhov, Konstantin V. Koshel

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