

Interactive comment on “The Effect of Quadric Shear Zonal Flows and Beta on the Downstream Development of Unstable Baroclinic Waves” by Yu Ying Yang et al.

Anonymous Referee #1

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I believe that this paper largely duplicates the material in Pedlosky (2019); the only modification here appears to be an introduction of a quadratic zonal shear in the mean flow, which, as far as I understand, boils down to a modified value of the beta-parameter in (2.3) compared to the model without this shear considered originally by Pedlosky. If I am mistaken, the authors should at least clearly delineate how their work is a substantive extension of Pedlosky's ideas. In addition, as of now, the presentation is sloppy and awkward in terms of grammar and style, which will need to be much improved if the paper makes it to publication.

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