

Interactive comment on “Prediction and variation of auroral oval boundary based on deep learning model and space physical parameters” by Yiyuan Han et al.

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Thanks for the kind suggestion. We have conducted the experiments to find how will the prediction capability of the proposed model change when the inputs are different combinations of physical variables. And we considered all the possible combinations of physical variables which we mentioned in Table 5 to find an optimum choice of input parameters. However, we cannot give all the experiment results in this manuscript because of the huge numbers of all supplement experiments. Therefore, we give the best experiment results (MAE value) obtained from different combinations of physical variables in Table 6. And other results are given in the supplementary material, which

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is a Excel file, named 'The experiment results of Optimal input search'.

Please also note the supplement to this comment:

<https://www.nonlin-processes-geophys-discuss.net/npg-2019-28/npg-2019-28-AC6-supplement.zip>

Interactive comment on Nonlin. Processes Geophys. Discuss., <https://doi.org/10.5194/npg-2019-28>, 2019.

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