

Interactive comment on “Complex networks description of ionosphere” by Shikun Lu et al.

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This paper have provided new insights on the global ionosphere by the application of complex network and make description of the ionospheric network to learn more about the variations in the ionosphere. But I still have several suggestions as follows,

1 Figure 2 shows the degree distributions of the network of ionosphere. To show the distribution intuitively, I suggest the curve of distribution fitting to be added in the figure.

2 Subsection 3.3 investigated the small-world structure. For the small world structure caused by the long-range edges, more explanation may be needed.

3 After careful reading the paper, I think some statements in the article need to be improved, like the subtitle of 2.2 and 3.2. So, I suggest you read more paper about the application of complex network and make an overall revision about the current

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manuscript.

I hope these suggestions can help to improve the manuscript.

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