

Interactive comment on “An orthogonal curvilinear terrain-following coordinate for atmospheric models” by Y. Li et al.

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Dear Yiyuan

Your new experiments sound ideal. It sounds as if you will be able to present a very clear and concise story. I have another suggestion. Ideally you only need to do the third comparison (smoothed coordinates with orthogonal smoothed coordinates). It is already well known that the coordinates should be smooth. So, if you can get sufficiently different results for the two versions, this comparison should be enough

If you will only present results from two coordinate systems, it would also be possible for you to put in plots of the coordinate lines for each of the systems that you use for the simulations. That way the reader will be able to see exactly the coordinates used

C2315

for each simulation

looking forward to seeing a revised version

Hilary

Interactive comment on Geosci. Model Dev. Discuss., 6, 5801, 2013.