

Review of “LIMA (v2.0): A full two-moment cloud microphysical scheme for the mesoscale non-hydrostatic model Meso-NH v5-6” by Tanfour et al.”

The revised manuscript thoroughly described the modeling method of the 2-moment bulk cloud microphysics scheme and the advantage of 2-moment scheme in comparison to the basic 1-moment scheme. The manuscript is well documented. Therefore, my recommendation is acceptable after revising a few technical issues.

Technical comments

1. Figure 5.

I don't recognize graupel as green color. Isn't it yellow? In addition, hail seems to be purple whereas hail is indicated as black in the caption. Please correct them.

2. Figure 8.

The figure caption is confusing. What do you mean “to produce Fig.6” ?

3. Line# 781, What are the “constants”? Please clarify them.

4. Line# 585, please never use “seems to be” in the conclusion section. That expression is too weak. It is better to remove the sentence or reword them to present clear relationships found from the results.