

Interactive comment on “A review of the theoretical basis for bulk mass flux convective parameterization” by R. S. Plant

Anonymous Referee #1

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The manuscript by RS Pant presents as correctly stated in the title "a review of the theoretical basis for bulk mass flux parameterization". The manuscript is written elegantly as are the derivations, though it is not easy to read as there are many different super (e.g. $\bar{\cdot}$, $\hat{\cdot}$, \ast , \sim) and subscripts (B, Di etc). The only drawback of the manuscript is that the reader is a bit left as such, as there are no practical consequences or developments that could be helpful for people working with convective parametrizations. So the option is either i) to publish manuscript as it is, ii) try to add a figure or some result for at least 1 or 2 small practical advises, or iii) reject. I decided for option ii) which still doesn't leave the author with a lot of modifications (shorten manuscript in some places and add 1 or 2 results)

Interactive comment on Atmos. Chem. Phys. Discuss., 9, 24945, 2009.

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