

Interactive comment on “A Mathematical Framework for the Description of Convection in Meso-scale Synoptic System” by N. Zhao and M. Takahashi

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Fujiwhara effect was initially found in the motion of vortices in water, where there are not precipitation or some kind of thermal forcing such as radiation and/or surface heat and/or moisture fluxes, but phenomenon in binary typhoon interaction is similar. This strongly suggest Fujiwhara effect of typhoons is due to purely dynamical process. Balanced flow adjustment is the dynamical process that we can suggest. Other physical processes in typhoon play just secondary roles in Fujiwhara effect. So, simulation by numerical model for Fujiwhara effect of typhoons may introduce something unnecessary.

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