

## ***Interactive comment on “The influence of particle composition upon the evolution of urban ultrafine diesel particles on the neighbourhood scale” by Irina Nikolova et al.***

### **Anonymous Referee #2**

Received and published: 17 April 2018

This reviewer cannot agree with the shrinkage of diesel particles in urban air undergoing evaporative when advected to a cleaner atmosphere, as presented in this study and those reference papers cited. The reviewer also has no solid reason to reject the hypothesis. Supposed that the hypothesis is correct, the modeling results delivered in this study are valuable for research community. Two issues might be helpful for potential readers: 1) the temperature change in the initial few second dilution and how this affects particle number size distribution; 2) How does the Kelvin effect affect the hypothesized evaporation?

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Interactive comment on Atmos. Chem. Phys. Discuss., <https://doi.org/10.5194/acp-2017-1018>,

2018.

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