Atmospheric
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Discussions

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Interactive comment on "Exploration of the influence of environmental conditions on secondary organic aerosol formation and organic species properties using explicit simulations: development of the VBS-GECKO parameterization" *by* Victor Lannuque et al.

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Estimation of ODE parameters for a system of equations is a challenging problem. Can you please provide details as to how the BObyQA method was applied for this particular problem? Were any idealized tests (i.e. solving the ode's with known parameters and then using the numerical solutions to retrieve the parameters) performed for typical conditions to test the robustness and accuracy of the fitting approach in estimating

parameters of the ODEs?

Are the learning scenario data publicly available?

Interactive comment on Atmos. Chem. Phys. Discuss., https://doi.org/10.5194/acp-2018-233, 2018.