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Atmospheric Chemistry and Physics Discussions

Interactive comment on "Solid state and sub-cooled liquid vapour pressures of substituted dicarboxylic acids using Knudsen Effusion Mass Spectrometry (KEMS) and Differential Scanning Calorimetry" *by* A. M. Booth et al.

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From the discussion in Barley and McFiggans (2009) it is clear that the method as published by Moller et al. (2008) contains some deficiency. Apparently, this deficiency is corrected at the E-AIM website. However, I think it is important that the reader is made aware of the difference between the published and the on-line version, as he might want to implement this method into his own code. Ideally, the nature of the correction should be identified, but I guess this is rather a job for the authors of the vapor pressure method.

Barley, M. H. and McFiggans, G.: The critical assessment of vapour pressure estimation methods for use in modelling the formation of atmospheric organic aerosol, Atmospheric Chemistry and Physics Discussions, 9, 18 375–18 416, http://www.atmos-chem-phys-discuss.net/9/18375/2009/, 2009.

Moller, B., Rarey, J., and Ramjugernath, D.: Estimation of the vapour pressure of non-electrolyte organic compounds via group contributions and group interactions, Journal of Molecular Liquids, 143, 52–63, 2008.

Interactive comment on Atmos. Chem. Phys. Discuss., 10, 5717, 2010.