Impact of the Knudsen number on the ALD saturation profile characteristics – extended slope method

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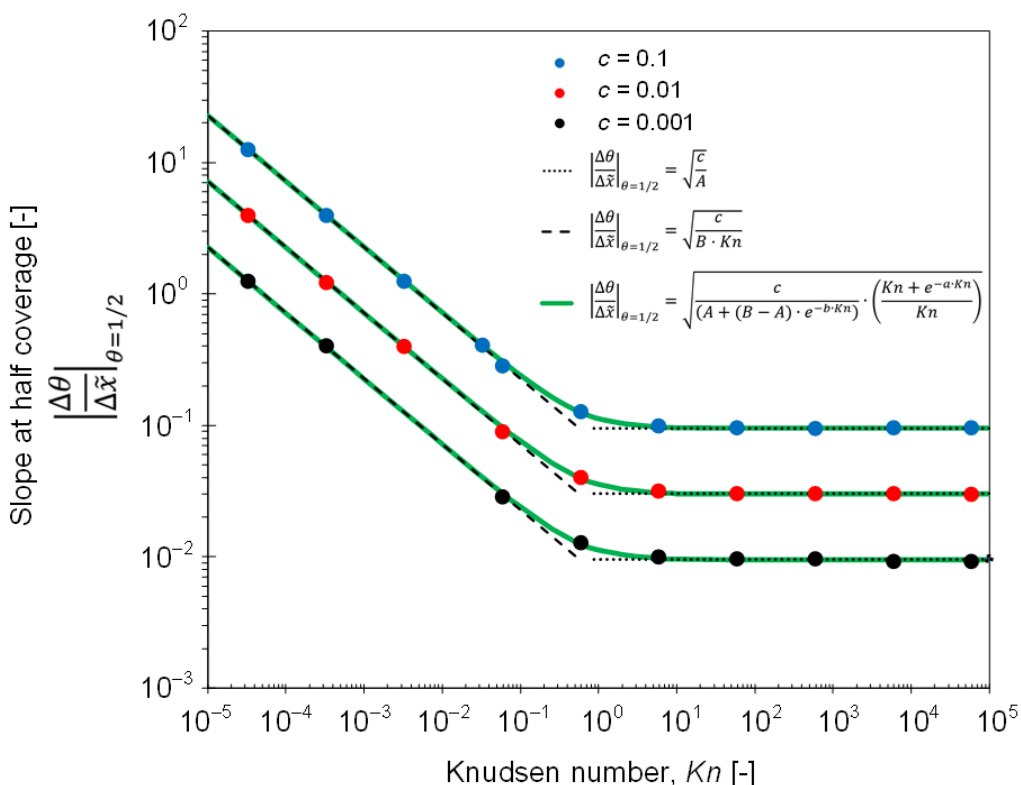

Figure S1. Fitted data of the absolute value of the slope at half coverage as function of the Knudsen number and sticking coefficient. Data points for c=0.001, c=0.01 and c=0.01 were obtained from saturation profiles obtained using the Ylilammi model [1,2] for a Thiele modulus h_T<0.3. Fitting parameters of the equations: A=11.0, B=19.5, a=0.25, and b=1.0. Parameters used in the simulations are available in Ref. 2.

References

[1] Re-implementation of the Ylilammi et al. model, E. Verkama, R.L. Puurunen, https://github.com/Aalto-Puurunen/dream-ald, accessed 2.2.2024
[2] C. Gonsalves, J. A. Velasco, J. Yim, J. Järvilehto, V. Vuorinen, Riikka L. Puurunen, Submitted (2024), preprint available at https://doi.org/10.26434/chemrxiv-2024-83lwd.