

Supplementary materials for:

Pattern formation induced by an electric field in a polymer-air-polymer thin film system

Soft Matter, DOI:10.1039/b000000x

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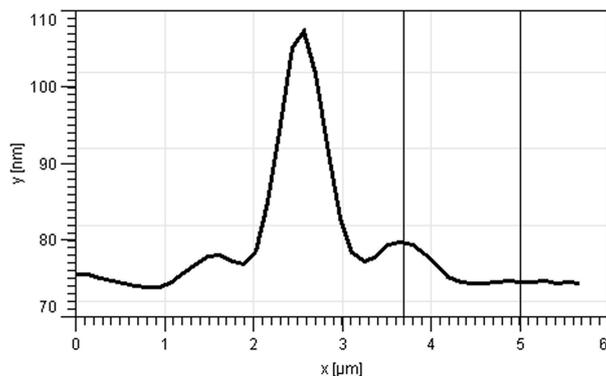


Fig. S1: (a) Cross section of a PS100 drop structure with two symmetric satellites from the PS10-PS100 experiment. The satellite height is measured from the flat film surface.

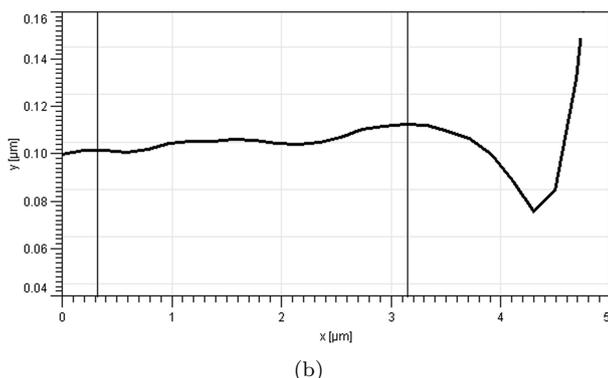
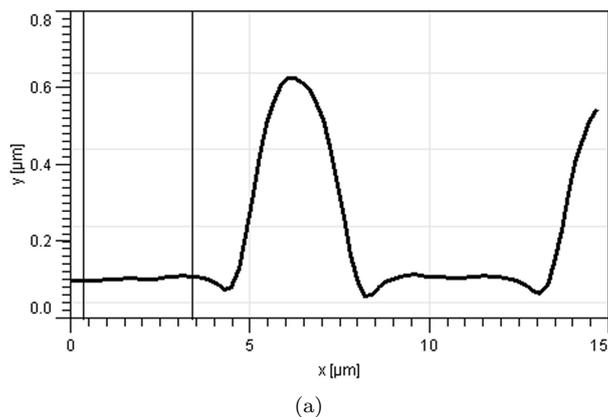


Fig. S2: (a) Cross section of the drop structures in PMMA100 from the PS100-PMMA100 experiment and (b) a zoom in on this profile emphasizing the rim present around one of the features. The rim height is measured from the flat film surface.

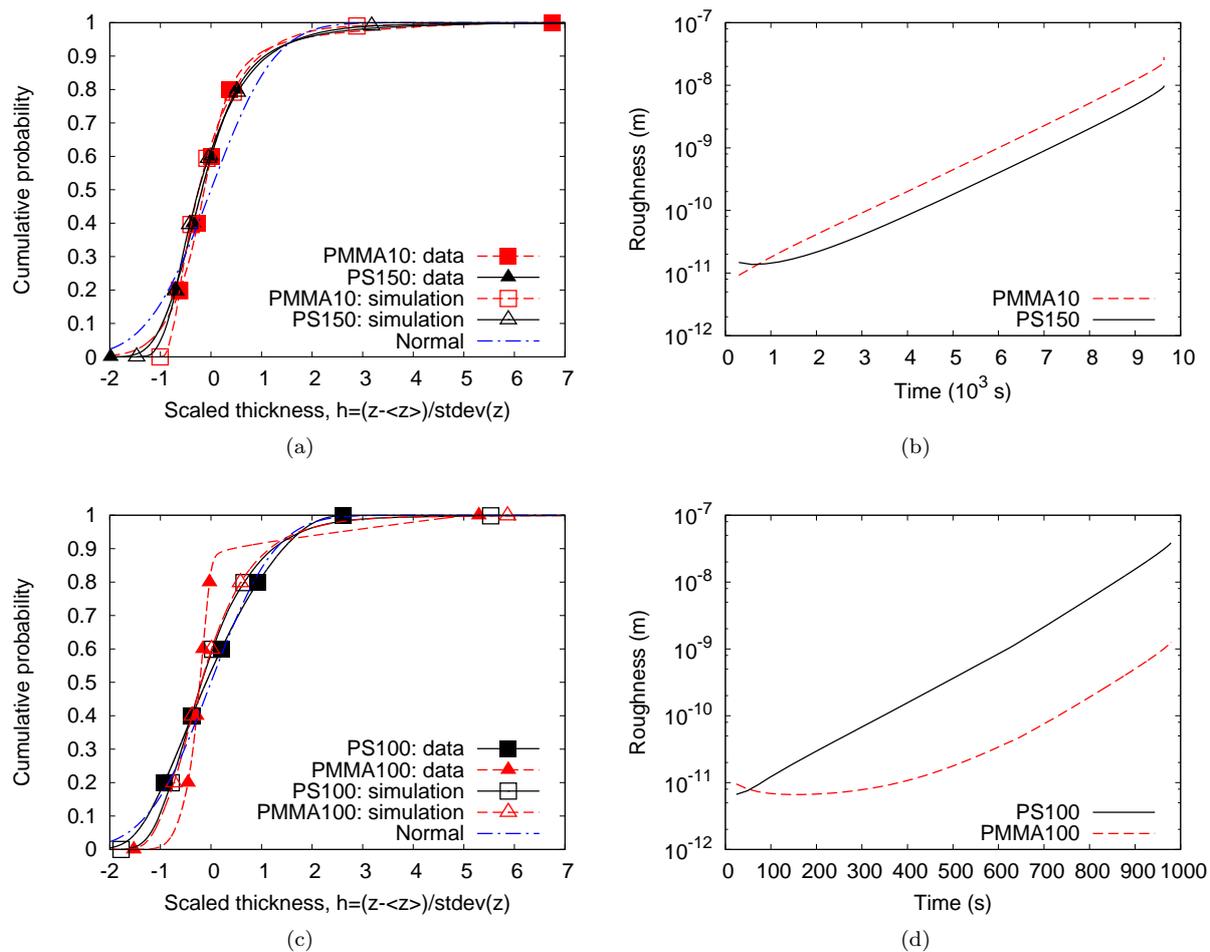


Fig. S3: The cumulative distributions of the film thicknesses for experiment and time integration in (a) PMMA10-PS150, and (c) PS100-PMMA100 systems. The cumulative distributions have been normalized such that their mean is zero and their standard deviation allows one to directly compare the forms of the distributions. The time dependence of the roughness of each film as predicted by the 3d model is presented in (b) for PMMA10-PS150, and (d) for PS100-PMMA100 systems.