Speeding up the understanding of Vertical Deposition of Diluted Colloids\textsuperscript{1} WENCESLAO GONZÁLEZ-VIÑAS, MAXIMILIANO GIULIANI\textsuperscript{2}, MOORTHI PICHUMANI\textsuperscript{3}, University of Navarra — We measured the speed of contact line in vertical deposition of diluted micron sized polymeric colloids. We correlated these results with the obtained morphologies for the deposits. We show that low velocities correspond to the formation of monolayer and high velocities to multilayer. These new results are explained in terms of the local concentration of particles in the suspension near the contact line and the porosity of the pre-deposited structure. The effect of an applied electric field to the system is also reported.

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