

Stick–Slip Patterning at Low Capillary Numbers for an Evaporating Colloidal Suspension

Hugues Bodiguel* Frédéric Doumenc and Béatrice Guerrier

Langmuir **2010**, *26*, 10758–10763. DOI:10.1021/la100547j

In the legend of Figure 6 in our recent article,¹ the parameter γ has been omitted. The expression of the empirical law is $f_{\max}/\gamma \approx 1.4\phi v_{\text{evap}}/V$.

In Figure 7, an error occurred when the experimental data points were reported. The abscissa values are three times higher than the ones given in the original article. Figure 1 below should replace the original figure. It does not lead to any fundamental differences concerning the scaling laws discussed in the article.

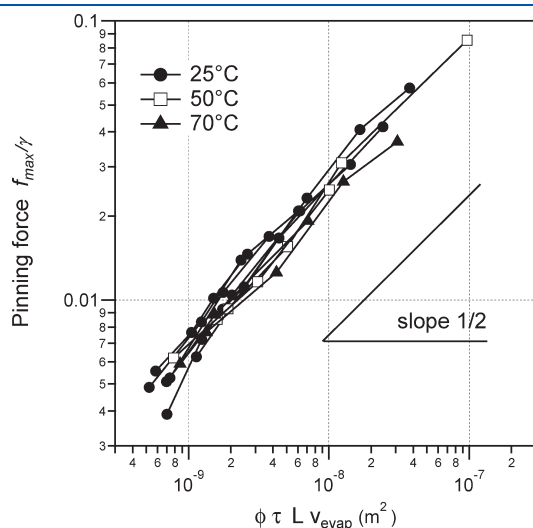


Figure 1. Dimensionless pinning force for various experiments, plotted as a function of $\phi L v_{\text{evap}} \tau$, where τ is the period of the stick–slip motion of the contact line and $L = 0.5$ mm, which is half the thickness of the cell.

Equation 5 in the original article is still valid and reads

$$f_{\max} \approx C\gamma\sqrt{\phi L v_{\text{evap}} \tau} \quad (1)$$

However, the empirical constant C is modified and equals 250 m^{-1} .

REFERENCES

- (1) Bodiguel, H.; Doumenc, F.; Guerrier, B. *Langmuir* **2010**, *26*, 10758–10763.