

## Correction to “Wetting of Flat and Rough Curved Surfaces”

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Equation 10 in ref 1 should be read as follows

$$\cos(\tilde{\theta} - \theta) = R_f \frac{\gamma_{SA} - \gamma_{SL}}{\gamma} \quad (10)$$

where  $h'(x = a) = -\tan \tilde{\theta}$ , where  $\tilde{\theta}$  is the slope of the liquid–air interface at  $x = a$ , and  $f'(x = a) = -\tan \theta$ , where  $\tan \theta$  is the slope of the solid substrate in  $x = a$  (it is supposed that grooves are small, see Figure 2 in ref 1). It is reasonable to define the apparent contact angle  $\theta^*$  according to  $\theta^* = \tilde{\theta} - \theta$ , thus the modified Wenzel equation is recognized in eq 10.

Equation 12 should be read as follows

$$\cos(\tilde{\theta} - \theta) = \frac{\sum_1^n \alpha_i (\gamma_{i,SA} - \gamma_{i,SL})}{\gamma} \quad (12)$$

where  $\tilde{\theta}$  and  $\theta$  are defined similar to as they are defined above in eqs 8 (ref 1) and 10 (see Figure 3 in ref 1). It is reasonable to define the Cassie apparent contact angle  $\theta^*$  according to  $\theta^* = \tilde{\theta} - \theta$ , thus the modified Cassie equation is recognized in eq 12, i.e.,  $\cos \theta^* = \sum_1^n (\alpha_i (\gamma_{i,SA} - \gamma_{i,SL}) / \gamma)$ .

## ■ REFERENCES

(1) E. Bormashenko, E. Wetting of Flat and Rough Curved Surfaces. *J. Phys. Chem. C* **2009**, *113*, 17275–17277.