CORRECTION

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 Cite this: *Phys. Chem. Chem. Phys.*,
2018, 20, 24494

Correction: Surface induced smectic order in ionic liquids – an X-ray reflectivity study of [C₂₂C₁im]⁺[NTf₂][−]

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DOI: 10.1039/c8cp91851a

rsc.li/pccp

 Correction for 'Surface induced smectic order in ionic liquids – an X-ray reflectivity study of [C₂₂C₁im]⁺[NTf₂][−]' by Julian Mars et al., *Phys. Chem. Chem. Phys.*, 2017, **19**, 26651–26661.

The following errata were found in the published article. All the data analysis and figures in the original article are correct. Likewise, the results and conclusions remain unaffected.

Model profiles

The first sentence of the second paragraph on page 26654 should read:

“The oscillatory function with periodicity d is expanded in a series

$$\psi(z) = \left(1 - \frac{Z_{\text{HC}}}{Z_{\text{IL}}}\right) \sum_{j=1}^{\infty} a_j \exp\left(-\frac{z}{\xi_j}\right) \cos\left(2\pi j \frac{z - z_0}{d}\right). \quad (6)$$

with the total number of electrons per [C₂₂C₁im]⁺[NTf₂][−] molecule $Z_{\text{IL}} = 358$ and per 37 CH₂ hydrocarbon equivalents $Z_{\text{HC}} = 37.8$, respectively.⁵⁵”

Surface thermodynamics

The sentence containing eqn (10) on page 26654 should read:

“For complete wetting ($\Delta\gamma < 0$)

$$L(\tau) = A \ln\left(\frac{\tau_1}{\tau}\right) \quad (10a)$$

$$\tau_1 = -\frac{\Delta\gamma V_m}{\Delta H_m A} \quad (10b)$$

is found.”

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Surface structure

In Table 1 on page 26657 the decimal point of a single entry is shifted. The entry should read B^b (115 °C) = 1.93.

Table 1 Model parameters of the XRR best fits (Fig. 5b) using eqn (4)

T (°C)	L (nm)	ξ_b^a (nm)	d (nm)	z_0 (nm)	σ_s (nm)	S^{0b}	S^-	B^b	a_2	ξ_2 (nm)
68	30.0 ± 2.0	4.78	3.73	2.28	0.18	1.71	−98	126	0.15	26
70	16.8 ± 2.2	4.73	3.73	2.29	0.17	1.64	−152	12.6	0.15	18
73	12.5 ± 1.2	4.64	3.73	2.24	0.10	1.62	−189	6.50	0.12	19
87	6.5 ± 0.6	4.21	3.70	2.14	0.18	1.58	−294	2.90	0.15	9
115	2.8 ± 2.5	3.38	3.56	1.89	0.25	1.55	−503	1.93	0.05	20

^a Parameters were fixed to the interpolated bulk values extracted from SAXS.⁶⁷ ^b Parameters were determined by continuity and differential continuity conditions. ξ_s was fixed at 2000 nm.

Acknowledgements

The authors thank Moshe Deutsch and Julia Haddad from Bar-Ilan University for pointing out the mistake in eqn (6).

The Royal Society of Chemistry apologises for these errors and any consequent inconvenience to authors and readers.