ERRATA

Erratum: Microscopic expressions for interfacial bending constants and spontaneous curvature [Phys. Rev. A 44, 8417 (1991)]

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The following misprints occurred in our paper.

(1) The sign of the external field term $v(\mathbf{r})$ in Eq. (4) is wrong.

(2) The entire tensor in the third line of Eq. (5) should be transposed; it should read

$$+\left\{\nabla\times[B\nabla\rho\times\nabla\nabla\rho-1\times B(\nabla\rho\cdot\nabla)\nabla\rho]\right\}^{\dagger}.$$

(3) A portion of Eq. (6b) is missing; it should read

$$\sigma^{T}_{\mu\nu}=(\mu\rho-v\rho-f)t^{i}_{\mu}t^{j}_{\nu}\delta_{ij}+t^{i}_{\mu}t^{j}_{\nu}\sigma^{(2)}_{ij}+t^{i}_{\mu}t^{j}_{\nu}\sigma^{(4)}_{ij}\ .$$

(4) In the paragraph following Eq. (6c), sixth line, the curvature tensor should read $K_{\mu\nu}=t^{i}_{\mu}t^{j}_{\nu}\partial_{i}n_{j}$.

(5) In the same paragraph, seventh line, the first curvature should read $J=-\nabla\cdot\mathbf{n}$.

(6) In Eq. (7), and in the paragraph above it, the external field term is missing; there, μ should be replaced by $\mu-v(\mathbf{r})$.

(7) In Eq. (7) the sign for J should be changed.

(8) Equation (8c) is incorrect, not a misprint; the correct way of identifying the spontaneous curvature is given by

$$\kappa c_0=-\int d\mathbf{r}_n B(\mathbf{r}_n)\partial_n\rho\partial_n^2\rho\ ,$$

whereas Eq. (8c) is an approximation requiring $B(\mathbf{r}_n)\partial_n\rho$ to be constant through the interfacial region.

(9) In Eq. (14) the coefficient in front of the integrals reads

$$\frac{1}{2kT}\ ;$$

it should read

$$\frac{kT}{2}\ .$$

(10) In Eq. (14) the coefficient of the second line reads

$$\frac{1}{(2)(4!)}\ ;$$

it should read

$$\frac{3}{(8)(4!)}\ .$$

(11) In Eq. (15a) the coefficient in front of the integrals reads

$$-\frac{1}{4kT}\ ;$$

it should read

$$-\frac{kT}{4}\ .$$

(12) In Eq. (15b) the coefficient in front of the integrals reads

$$\frac{1}{(3)(4!)kT}\ ;$$

it should read

$$\frac{kT}{32}\ .$$

The results of the paper are not affected.

