Soft Matter

Check for updates

Correction: The effect of wall depletion and hydrodynamic interactions on stress-gradient-induced polymer migration

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Correction for 'The effect of wall depletion and hydrodynamic interactions on stress-gradient-induced polymer migration' by Hossein Rezvantalab *et al.*, *Soft Matter*, 2016, **12**, 5883–5897.

We noticed, after publication of the paper, that the product of the first-order concentration and first-order migration flux was inadvertently left out of the second-order convection–diffusion equation used in calculating the second-order contribution to the concentration field, $c^{(2)}$; the correct expression is

$$-Dc_{,i,i}^{(2)} + v_i c_{,i}^{(1)} + (c^{(0)}\tilde{J}_i^{m(2)})_{,i} + (c^{(2)}\tilde{J}_i^{m(0)})_{,i} + (c^{(1)}\tilde{J}_i^{m(1)})_{,i} = 0 \qquad (3.14)$$

with the last term on the left-hand side giving the additional second order contribution. Note that this is simply a typo in writing the expression in the main text, while all the analysis and the results reported for second-order expansion are based on the correct perturbation including the $c^{(1)}\tilde{J}_i^{m(1)}$ term.

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

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