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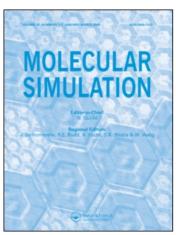
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Corrigendum

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Corrigendum

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In the paper entitled *Cell size dependence of orientational* order of uniaxial liquid crystals in flat slit, Molecular Simulation 34 (8), (July 2008), pp. 761–773, we reported the ordered state of the Gay–Berne (GB) ellipsoids as the nematic liquid crystals in the flat nanoslit. We have since discovered errors in the calculations of the two-dimensional self-diffusion coefficients (2DSDCs), $D_{\rm 2D}$, from the two-dimensional mean square displacements (2DMSDs).

In this erratum, the 2DSDCs are corrected in Table 1, where N is the number of particles and T is the temperature. For (N,T)=(100,000,1.00), the 2DSDC is recalculated from the 2DMSD using the least-squares method. For the other conditions, the 2DSDCs are corrected to be double their original values.

Because the 2DSDCs at T = 1.00 are even smaller by one digit than the ones at the temperature of 1.05 or greater, we consider that the conclusion reported in the original paper is not affected; the GB ellipsoids are in the solid phase at T = 1.00, while they possess a fluidity at $T \ge 1.05$.

Table 1. Two-dimensional self-diffusion coefficient, $D_{\rm 2D}$.

| T | N | $D_{ m 2D}$ |
|------|---------|-------------|
| 1.20 | 1000 | 0.1118 |
| | 9000 | 0.1078 |
| | 16,000 | 0.1110 |
| | 64,000 | 0.1126 |
| | 100,000 | 0.1130 |
| | 169,000 | 0.1132 |
| 1.15 | 1000 | 0.1066 |
| | 9000 | 0.1002 |
| | 16,000 | 0.1042 |
| | 64,000 | 0.1048 |
| | 100,000 | 0.1054 |
| | 169,000 | 0.1054 |
| 1.10 | 1000 | 0.0918 |
| | 9000 | 0.0930 |
| | 16,000 | 0.0932 |
| | 64,000 | 0.0930 |
| | 100,000 | 0.0940 |
| | 169,000 | 0.0958 |
| 1.05 | 1000 | 0.0732 |
| | 9000 | 0.0830 |
| | 16,000 | 0.0814 |
| | 64,000 | 0.0822 |
| | 100,000 | 0.0842 |
| 1.00 | 1000 | 0.0052 |
| | 9000 | 0.0010 |
| | 16,000 | 0.0032 |
| | 64,000 | 0.0018 |
| | 100,000 | 0.0015 |
| | | |

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