

Langevin approach to the dynamics of interacting Brownian particles

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1983 J. Phys. A: Math. Gen. 16 2889

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Corrigenda

Langevin approach to the dynamics of interacting Brownian particles

Pusey P N and Tough R J A 1982 *J. Phys. A: Math. Gen.* **15** 1291–308

Equation (2.28) should read

$$\begin{aligned} \lim_{\tau \rightarrow 0^+} \frac{d^3 F(K, \tau)}{d\tau^3} &= -D_0^3 K^6 - \frac{3D_0^2 K^4}{Nf} \sum_i \left\langle \frac{\partial^2 U}{\partial r_{i1}^2} \right\rangle + \frac{2D_0^2 K^3}{Nf} \sum_{i,j} \left\langle \sin(Kr_{ij1}) \frac{\partial^3 U}{\partial r_{i1}^2 \partial r_{j1}} \right\rangle \\ &\quad - \frac{D_0 K^2}{Nf^2} \sum_{i,j,k} \sum_{\alpha} \left\langle \exp(iKr_{ij1}) \frac{\partial^2 U}{\partial r_{i1} \partial r_{k\alpha}} \frac{\partial^2 U}{\partial r_{k\alpha} \partial r_{j1}} \right\rangle. \end{aligned}$$

Due to an oversight the third term was missing in the original paper. The correct version of this equation (as above) was obtained recently by J L Arauz-Lara and M Medina-Noyola (*Physica A* in press) and we are grateful to them for pointing out our error. Starting from the Smoluchowski equation, these authors have also obtained expressions for $dF/d\tau$, $d^2F/d\tau^2$ and $d^3F/d\tau^3$ for a suspension containing two types of particle.

2D to 3D percolation crossover in the resistivity of co-evaporated Al-Ge mixture films

Kapitulnik A and Deutscher G 1983 *J. Phys. A: Math. Gen.* **16** L243–8

In the figure caption to figure 1 the last sentence should be replaced by: 'The straight line is the best fit for the 2D regime.'

In figure 2 the vertical axis should be $l(\text{\AA})$ rather than $d(\text{\AA})$.