Langevin approach to the dynamics of interacting Brownian particles

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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

$$\lim_{\tau\to 0^+}\frac{\mathrm{d}^3F(K,\tau)}{\mathrm{d}\tau^3}$$
$$= -D_0^3K^6 - \frac{3D_0^2K^4}{Nf}\sum_i\left\langle\frac{\partial^2U}{\partial r_{i1}^2}\right\rangle + \frac{2D_0^2K^3}{Nf}\sum_{i,j}\left\langle\sin(Kr_{ij1})\frac{\partial^3U}{\partial r_{i1}^2\,\partial r_{j1}}\right\rangle$$
$$-\frac{D_0K^2}{Nf^2}\sum_{i,j,k}\sum_\alpha\left\langle\exp(\mathrm{i}Kr_{ij1})\frac{\partial^2U}{\partial r_{i1}\,\partial r_{k\alpha}}\frac{\partial^2U}{\partial r_{k\alpha}\,\partial r_{j1}}\right\rangle.$$

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 $\mathrm{d}F/\mathrm{d}\tau$, $\mathrm{d}^2F/\mathrm{d}\tau^2$ and $\mathrm{d}^3F/\mathrm{d}\tau^3$ 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(Å) rather than d(Å).

