ADDITIONS AND CORRECTIONS

2007, Volume 111B

Giorgio Celebre*: An Explicit Relationship between the Dielectric Anisotropy and the Average Electric Field Gradient in Nematic Solvents

In the original article (*J. Phys. Chem. B* **2007**, *111*, 2565−2572), in eqs 6c−10, a factor of $^1/_6$ (instead of $^1/_2$) mistakenly appears. Actually, eq 6c should read as follows:

$$F'_{\alpha\beta} = \frac{1}{2} g_2 Q_{\alpha\beta} \tag{6c}$$

As a consequence of this, eqs 11 and 12 should read, respectively, as

$$\langle F'_{ZZ} \rangle \approx \frac{Q_{zz}}{R_c^5} \left[\frac{6\Delta\epsilon}{5(2\epsilon_s + 1)^2} (1 - A) \right] [S_{zz}^2 + (S_{zz}/2) + \sigma^2] \tag{11}$$

and

$$\langle F'_{ZZ} \rangle \approx \frac{Q_{zz}}{R_c^5} \frac{6\Delta\epsilon}{[5(2\epsilon_s + 1)]^2} (1 - A) \tag{12}$$

The same results given in Table 1 and Figure 1 are then obtained by assuming a slightly larger (more "realistic") virtual cavity ($R_c = 0.92$ Å in place of $R_c = 0.74$ Å).

10.1021/jp072671q
Published on Web 04/28/2007