Erratum

G. Furman and S. Goren, Dipolar Order and Spin-Lattice Relaxation in a Liquid Entrapped into Nanosize Cavities, Z. Naturforsch. **66a**, 779 (2011).

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The calculated density matrix (14) was in error. Therefore, the following changes should be made:

1. Change (14) to

$$\rho(\tau) = 1 - \beta_1 \omega_0 \sum_{\kappa} \left[I_\kappa^y \cos\left(\frac{3\tau G}{4} \left(I_z - I_\kappa^z \right) \right) - I_\kappa^x \sin\left(\frac{3\tau G}{4} \left(I_z - I_\kappa^z \right) \right) \right]. \tag{14}$$

2. Change (15) to

$$\rho_2 = \left\{ 1 - \beta_1 \omega_0 \sum_{\kappa} \left[I_\kappa^y \cos \Phi_\kappa - \left(I_\kappa^x \cos\xi - I_\kappa^z \sin\xi \right) \sin \Phi_\kappa \right] \right\}, \tag{15}$$

   where $\Phi_\kappa = \left\{ \frac{3\tau G}{4} \left[\left(I_z - I_\kappa^z \right) \cos\xi + \left(I_x - I_\kappa^x \right) \sin\xi \right] \right\}$.
3. Change (17) to

$$\beta_d = -\frac{\mathrm{Tr}\{\rho_2 \bar{H}_d\}}{\mathrm{Tr}\{\bar{H}_d^2\}} = \frac{3}{4} G \frac{1}{\omega_{\mathrm{loc}}^2} \sin(2\xi) \frac{\mathrm{Tr}\{\rho(\tau) \sum_{\mu \neq \eta} \left(I_\mu^z I_\eta^x + I_\eta^z I_\mu^x \right)\}}{\mathrm{Tr} I_z^2}. \tag{17}$$

4. In the last sentence of Sect. 3, delete "and $\tau = \frac{2}{3} \frac{\pi}{G}$".
5. Change the second sentence of Sect. 5 to:
   It can be seen from (26) that the spin-lattice relaxation time T_{1d} depend on the cavity size V, its shape F and orientation θ, $T_{1d} \sim \left(\frac{V}{F(1-3\cos^2\theta)} \right)^2$.
6. Delete the third sentence of Sect. 5.

We thank Professor J. Jeener for pointing out this error.