Errata

Erratum: Dynamics of Davydov solitions [Phys. Rev. A 26, 578 (1982)]

Alwyn C. Scott

(1) Equation (2.10) should be deleted together with the preceding phrases, "but here it is convenient . . . we expect."

(2) Above Eq. (3.5) the zero boundary conditions should read as follows: for

$$n = -4, -3, -2, -1, n_{\max}+1, n_{\max}+2, n_{\max}+3, n_{\max}+4 \ .$$

(3) Above and below Eq. (3.7) cm/sec should read m/sec.

(4) In Sec. VI, the sentence, "Furthermore, dimensional arguments show that . . . comfortably below 0.34×10^{-10} N" should be deleted.

(5) In the penultimate sentence of Appendix C the arbitrary perturbation $-\alpha f$ should read $-\alpha f_x$.

(6) The left-hand side of Eq. (3.1a) should read

$$i\frac{dA_{n\alpha}}{d\tau} \ .$$

Erratum: Molecular-dynamics study of liquid rubidium [Phys. Rev. A 26, 2859 (1982)]

Raymond D. Mountain

In the course of extending the molecular dynamics investigation of liquid rubidium, it was realized that the $T^* > 1$ values reported for the self-diffusion coefficient, D^*, are too large by a factor of 3. This does not change the qualitative discussion of self-diffusion, except that the change in slope of the D^* vs T^* plot is more gradual than was indicated in Fig. 12. Figures 4 and 12 are to be replaced by the revised Figs. 4 and 12, respectively, given here.

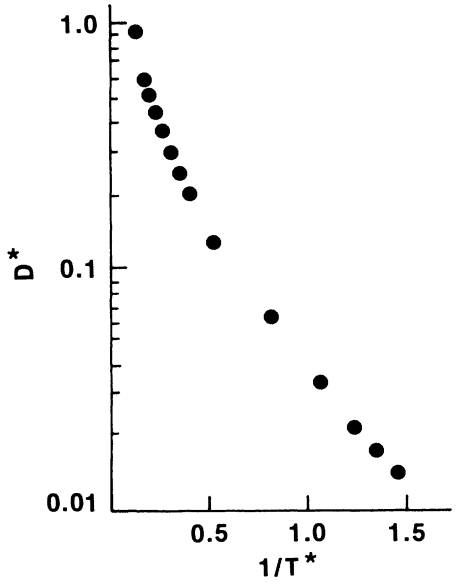

FIG. 4. Reduced self-diffusion coefficients D^* as a function of $1/T^*$. There is no large temperature interval where a straight line is a good representation of these data.

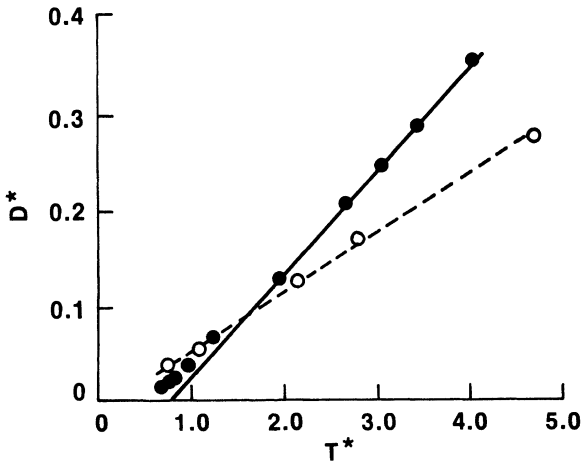

FIG. 12. Self-diffusion coefficients for the Lennard-Jones fluid at $n^* = 0.85$ (open circles) and for rubidium (closed circles) as functions of temperature. The lines are to guide the eye and to emphasize the change in the temperature dependence of D^* for rubidium which occurs at low temperatures.