
ERRATA

COOPERATIVE CONFIGURATION CHANGE IN EuPd₂Si₂. M. Croft, J. A. Hodges, E. Kemly, A. Krishnan, V. Murgai, and L. C. Gupta. [Phys. Rev. Lett. 48, 826 (1982)].

The authors have done extensive analysis of new Mössbauer-effect data on the EuPd₂Si₂ system using a more sophisticated transmission-integral approach. On the basis of these results we conclude (contrary to our statement in the paper) that there is no evidence for vibrational dampening of the charge-fluctuating Eu atoms near the valence transition in this system. The main conclusions of the paper concerning the cooperative nature of the configuration change remain valid.

EFFECTIVE SPHERICAL POTENTIALS FOR FLUID THERMODYNAMICS. M. S. Shaw, J. D. Johnson, and B. L. Holian [Phys. Rev. Lett. 50, 1141 (1983)].

The caption to Fig. 1 should read "N₂ pressure equation of state. The plusses (including the two inside the two circles) are given by MD using an anisotropic atom-atom potential. The solid lines and lower circle (*T* = 500 K) are given by the SPM potential via hard-sphere perturbation theory.

The upper circle (*T* = 12 700 K) is from the SPM potential via MD. Temperatures on the graph are given in kilokelvin (kK)."

PRETRANSITIONAL PHENOMENA IN THE ISOTROPIC PHASE OF A LYOTROPIC LIQUID CRYSTAL OF BACTERIAL VIRUS fd. Haruki Nakamura and Koji Okano [Phys. Rev. Lett. 50, 186 (1983)].

Equation (3) should not be compared with the mean-field-type energy expansion of Eq. (9), but with the expansion

$$F = F_0 + ckT \left[\frac{5}{2} \left(1 - \frac{1}{5} \Gamma \right) S^2 + \dots \right].$$

Equations (11) and (13) are then replaced by

$$A(\varphi) = \frac{10}{3\pi} \frac{kT}{D^3} \varphi(\varphi^* - \varphi)$$

and

$$\Delta n_0 \propto H_0^2 \varphi / (\varphi^* - \varphi),$$

respectively. Figures 1(b) and 2(b) also should be replotted so that the ordinates are $\varphi/\Delta n_0$ and φ^2/τ , respectively. According to M. Doi [J. Polym. Sci. Polym. Phys. Ed. 19, 229 (1981)], τ should be proportional to $\varphi^2/(\varphi^* - \varphi)$.