Correction to Volume-Based Thermoelasticity: Consequences of the (Near) Proportionality of Isothermal Compressibility to Formula-Unit Volume

H. Donald Brooke Jenkins,* Leslie Glasser, and Joe Lee

Pages 9982 and 9983. The data for Figures 3 and 4 have been obtained by circular argument so that, after simplification, Figure 3 is equivalent to a plot of $V_u^{4/3}/\beta$ against $V_u^{1/3}$, while Figure 4 is equivalent to a plot of β against V_u. Thus, these plots (each with different statistical properties) simply reduce to alternative tests of the quality of the relation between β and V_u but not of the relevance of the Born−Landé or Born−Mayer equations for lattice-energy evaluation. The general conclusion that the Born−Mayer equation is more suitable remains supported by the literature.[1,2] A more detailed explanation of the correction is available from any of the coauthors (h.d.b. jenkins@warwick.ac.uk, leslieglasser@yahoo.co.uk, joe.lee@ manchester.ac.uk).

■ REFERENCES

(1) Waddington, T. C. *Adv. Inorg. Radiochem.* **1959**, *1*, 157−221.
(2) Johnson, D. A. *Some Thermodynamic Aspects of Inorganic Chemistry*, 2nd ed.; Cambridge University Press: Cambridge, U.K., 1982.