Technical Comments

Erratum: "Unusual Poisson's Ratios of Pyrolytic Graphite"

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THE left-hand inequalities in (14) and (15) are erroneous and should be omitted. Thus, (14) and (15) should read as follows:

$$\mu < 1 - 2(\mu')^2(E'/E) \tag{14}$$

$$\mu' < [(1 - \mu)(E/2E')]^{1/2}$$
 (15)

The other limitations arising from (13) are always satisfied since E'/E > 0.

Combining (11), (12), and the corrected versions of (14) and (15), one obtains the following limitations on μ and μ' :

$$-1 < \mu < 1 - 2(\mu')^2 (E'/E) \tag{A}$$

$$-(E/E)^{1/2} < \mu' < [(1-\mu)(E/2E')]^{1/2}$$
(B)

Thus, for the numerical values of the elastic properties considered in the paper, the limitations are:

$$-1 < \mu < 0.4$$

 $-1.824 < \mu' < 1.421$

These limitations are satisfied by the actual values of $\mu = -0.21$ and $\mu' = 1.00$.

The author wishes to thank Donald Longcope of Sandia Laboratories, Albuquerque, N.Mex., for pointing out the errors and also for bringing attention to some similar work¹ which preceded that of Ref. 2 by many years.

Reference

¹ Eubanks, R. A. and Sternberg, E., "On the Axisymmetric Problem of Elasticity Theory for a Medium with Transverse Isotropy," *Journal of Rational Mechanics and Analysis*, Vol. 3, 1954, pp. 89–101.