

Corrigenda

J. A. BONNET, Jr. and R. K. OSBORN, "On the Use of Acoustic Waves in Nuclear Power Reactors to Determine Average Void Fractions," *Nucl. Sci. Eng.*, **43**, 1 (1971) and J. A. BONNET, Jr. and R. K. OSBORN, "Neutron-Acoustic Detection of the Onset of Bulk Boiling in Liquid Sodium," *Nucl. Sci. Eng.*, **45**, 314 (1971).

The previous papers (hereafter referred to as I and II, respectively), discussed the notion of acoustically driving neutron and/or prompt gamma-ray fluctuations as a technique for monitoring, or studying, the phase state of water and liquid sodium in systems like thermal and fast power reactors. However, in presenting numerical estimates, the various reactor parameters were evaluated inconsistently. When these inconsistencies are removed, it is found that the ratio $q_{\eta\eta}/q_{\eta_0\eta_0}$ in I, for the water reactor cases, is extremely small for reasonable acoustic power input, leading to the conclusion that the method is most probably not feasible in these instances.

When the inconsistencies are removed from the numerical estimates for the liquid sodium systems discussed in II, it is found that the qualitative conclusions drawn therein remain substantially intact, i.e., the important ratio (called f in II) can be made observably large for achievable acoustic power input.

ARSALAN RAZANI and H. E. HUNGERFORD, "A Three-Dimensional Stochastic Gamma-Ray Transport Method for Shielding Calculations," *Nucl. Sci. Eng.*, **46**, 1 (1971).

1. The argument of I in the first term on the right-hand side of Eq. (1) should read $I(\mathbf{r}, \mathbf{\Omega}', \lambda') d\mathbf{\Omega}$.

2. In Eq. (8) every factor designated by symbol Ω_m is a vector so all Ω 's should be in bold type. Also in Eq. (8), the integration in the first term on the right-hand side should be over region λ' rather than λ .
3. The lower limit of the summation immediately following the equal sign of Eq. (11), p. 4 is $M = 0$ (not $m = 0$).
4. On p. 6, left column, in the statement of the normalized Klein-Nishina distribution, both numerator and denominator are evaluated at \mathbf{r} . Thus, the prime should be deleted from \mathbf{r}' in the denominator.

W. M. STACEY, Jr., "The Effect of Anisotropic Scattering Upon the Elastic Moderation of Fast Neutrons," *Nucl. Sci. Eng.*, **44**, 194 (1971).

The first minus sign should be deleted on the right-hand side of Eq. (12).

E. E. BURNISTON, C. E. SIEWERT, P. SILVENNOINEN, and P. F. ZWEIFEL, "Matrix Riemann-Hilbert Problems Related to Neutron Transport Theory," *Nucl. Sci. Eng.*, **45**, 331 (1971).

An incorrect alteration subsequent to the galley proofs has resulted in the obvious misspelling of Riemann in the title and elsewhere (inconsistently).

The editorial staff apologizes to the authors for these errors.