

Errata

Erratum: Gravitational field equations and the possibility of time variation of all masses [Phys. Rev. D 11, 707 (1975)]

S. Malin

The last statement of the abstract, namely, "It is shown that the equations $R_{\mu\nu} = -4\pi\kappa T_{\mu\nu}$ are not precluded by presently available observational and experimental data," was shown by L. Lindblom and J. M. Nester [Phys. Rev. D 12, 626 (1975)] to be incorrect. It should be replaced by the following statement: "It is shown that the isotropic and spatially homogeneous cosmological models of the equations $R_{\mu\nu} = -4\pi\kappa T_{\mu\nu}$ are not precluded by presently available observational and experimental data; these models can serve, therefore, as a theoretical testing ground for the hypothesis of mass variation." Analogous corrections apply to the discussions of the observational and experimental data in Sec. I (last paragraph) and Sec. IV.

Erratum: Reflection and refraction of light from a moving block of glass [Phys. Rev. D 11, 740 (1975)]

I. Lerche

The following changes should be made:

- (i) Replace the coefficient of $\beta^2(n_2^2 - 1)$ on the right-hand side of Eq. (13) by

$$\frac{1}{2} \cos^2\psi n_1^{-2} (1 + \sin\psi \sin\theta_i)^{-1}.$$

- (ii) Replace the coefficient of $\beta(n_2^2 - 1)^{1/2}$ on the right-hand side of Eq. (14) by

$$n_1^{-1} \cos\psi (1 + \sin\psi \sin\theta_i)^{-1/2}.$$

- (iii) Replace the coefficient of $\beta(n_2^2 - 1)^{1/2}$ on the right-hand side of Eq. (16) by

$$n_1^{-1} [1 + (n_2^2 n_1^{-2} - 1)^{1/2} \tan\psi]^{-1/2}.$$

- (iv) Replace the coefficient of $\beta(n_2^2 - 1)^{1/2}$ on the right-hand side of Eq. (18) by n_2^{-1} .

I am grateful to Professor W. M. Fairbank, Jr. for bringing these errors to the fore.