Errata

Erratum: Isotropization and homogenization of an anisotropic and inhomogeneous cosmological model during the inflationary era [Phys. Rev. D 32, 1586 (1985)]

Ø. Grøn

Professor J. D. Barrow has kindly pointed out to me that there is a decisive error in my article. My Eq. (2) should be replaced by

$$8\pi p = q^2 S^{2m} C^{2m}[(1-4m-n^2)S^{-2}C^2-(4m+3)] ,$$

$$8\pi\rho = q^2 S^{2m} C^{2m}[(1-4m-n^2)S^{-1}C^2-(4m+3)\gamma^{-1}] .$$

This implies that my solution (4) does not exist. The only solution (4) of Wainwright and Goode's class [J. Wainwright and S. W. Goode, Phys. Rev. D **22**, 1906 (1980)] with $p=-\rho$ is

$$8\pi\rho = 3q^2 = \text{const} ,$$

$$ds^2 = \cosh^{-2}(H_0 X)[-dT^2+dX^2+2\sinh^2(H_0 T)dY^2+2\cosh^2(H_0 T)dZ^2] .$$

This is just a coordinate transformation of de Sitter space, and not an inhomogeneous cosmological model.

Erratum: Temperature-induced interaction: $\lambda\phi^4$ theory [Phys. Rev. D 33, 1718 (1986)]

B. Allés and R. Tarrach

W. A. Bardeen and M. Moshe have pointed out to us that we should have minimized the free energy instead of the internal one. This last one being an upper bound of the former, our bound is still correct as such. But we could have done better, and our unusual results are due to our poor ansatz. The analysis for the free energy has just been performed by Roditi [I. Roditi, University of Geneva Report No. 1GVA-DPT-1985/11-482 (unpublished)] and was known from the work of Bardeen and Moshe in the large-N limit [W. A. Bardeen and M. Moshe, Phys. Rev. D **28**, 1372 (1983)].

We thank Moshe Moshe for his very helpful comments and Paul Stevenson for informing us about Roditi's work.

Erratum: Evolution of evaporating black holes in an inflationary universe [Phys. Rev. D 33, 2201 (1986)]

Ronald L. Mallett

Equations (3.3), (3.4), (3.17), and (3.18) should read

$$r_{\rm AH}^{-}(v) = -\left(\frac{2}{3^{1/2}\chi}\right)\cos[\psi(v)/3+\pi/3] , \tag{3.3}$$

$$r_{\rm AH}^{+}(v) = \left(\frac{2}{3^{1/2}\chi}\right)\cos[\psi(v)/3] , \tag{3.4}$$

$$r_{\rm EH}^{-}(v) = -\left(\frac{2}{3^{1/2}\chi}\right)\cos[\psi^*(v)/3+\pi/3] , \tag{3.17}$$

$$r_{\rm EH}^{+}(v) = \left(\frac{2}{3^{1/2}\chi}\right)\cos[\psi^*(v)/3] . \tag{3.18}$$

