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**Errata**


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**Erratum: Maximal extension of a nonsingular solution in a generalized theory of gravitation**  
**[Phys. Rev. D 17, 396 (1978)]**

G. Kunstatter and J. W. Moffat

Equation (4.1) should read

$$ds^2 = f^2(r', t')(dt'^2 - dr'^2) - r^2(r', t')d\Omega^2. \quad (4.1)$$

Equation (4.11) should read

$$\begin{aligned} \frac{\partial r^*}{\partial r} &= \pm \left[ \left( 1 - \frac{2m}{r} + \frac{4\pi Q^2}{r^2} \right) \left( 1 - \frac{a^4}{r^4} \right)^{1/2} \right]^{-1} \\ &= \pm \frac{r^4}{(r - r_+)(r - r_-)(r^4 - a^4)^{1/2}}, \end{aligned} \quad (4.11)$$

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**Erratum: Relativistic model of a spherical star emitting neutrinos**  
**[Phys. Rev. D 17, 1924 (1978)]**

I. Damião Soares

1. Equation (4.21) should read

$$4\dot{m} = \frac{\eta^2 \chi}{R_1^2(R_s)} \left( 1 - \frac{2m(u)}{r_s(u)} \right).$$

2. On page 1932, the equation following Eq. (A6) should read

$$\alpha \varphi' + \left( \frac{\alpha'}{2} + \frac{\alpha \beta'}{\beta} \right) \varphi = 0.$$

3. On page 1926 the equation following Eq. (2.19) should read

$$\rho(r) = -\frac{6}{\kappa} \frac{R_2''}{R_2} R_1^2.$$

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**Erratum: Computation of the quantum effects due to a four-dimensional pseudoparticle**  
**[Phys. Rev. D 14, 3432 (1976)]**

G. 't Hooft

1. In the transition towards collective coordinates, page 3442, we inserted a factor  $1/\sqrt{\pi}$  [Eq. (9.4)] for each collective coordinate because these have to be normalized with a Gaussian integral. However, the relevant Gaussian integrals here are all of the type

$$\int \exp(-\tfrac{1}{2}x^2)dx = \sqrt{2\pi};$$

thus the expressions must be multiplied by a factor  $1/\sqrt{2}$  for each collective coordinate. We have eight of these. Equation (9.6) must be divided by 4 (both left and right), Eqs. (10.3) and (10.5) by  $\sqrt{2}$ , Eqs. (11.7), (11.10), (11.17), (11.18), and (11.28) by  $2\sqrt{2}$ , and in the final expressions (12.1), (12.5), (13.8), and (15.1) we must replace

$$2^{14} \text{ by } 2^{10}.$$

2. In the transition from (6.13) to (6.15) the term

$$\sum_{s=1}^{2t+1} s(2t+1-s)(s-t-\frac{1}{2}) \ln s$$

was erroneously multiplied by  $t(t+1)$ . This error propagates into Eq. (7.6) and Eq. (12.4) for  $\alpha(t)$ . The explicitly computed values for  $\alpha(t)$  in Table I are free of this error. The author thanks F. R. Ore for making this observation.<sup>1</sup>

3. In Eq. (3.10)  $1/\pi$  must be replaced by  $2/\pi$ . This has no further consequences.

In a report by Y. Iwasaki<sup>2</sup> it is suggested that certain zero modes of the ghost field in the background gauge could alter our conclusions. However, a careful reader of our paper will realize that these modes have been taken into account correctly.

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<sup>1</sup>F. R. Ore, Phys. Rev. D 16, 2577 (1977).

<sup>2</sup>Y. Iwasaki, Princeton Institute for Advanced Studies report, 1978 (unpublished).