Errata

Erratum: Space-time structure in a generalization of gravitation theory [Phys. Rev. D 15, 3520 (1977)]

J. W. Moffat

The second term in parentheses in Eq. (3.17) and in the first equation in the second column of Table I should read $+(4\pi G/c^4)F^{\mu\nu}F_{\mu\nu}$ instead of $-(4\pi G/c^4)F^{\mu\nu}F'_{\mu\nu}$. The second line of Ref. 16 should read: "Since the skew part $\Gamma^{\lambda}_{[\mu\nu]}\ldots$".

Erratum: Pseudoparticle contributions to the energy spectrum of a one-dimensional system [Phys. Rev. D 16, 423 (1977)]

Eldad Gildener and Adrian Patrascioiu

In Appendix B, the integration in Eq. (B2) should actually not be over one kink, but from the *fixed* center of the kink which precedes the joining point φ_1 to the *fixed* center of the following kink. The integration then yields the result stated in the Appendix, $\partial^2 S/\partial\varphi_1{}^2 = 2\sqrt{2}\,\mu$. We thank Herbert Neuberger for pointing out that for S as originally written, $\partial^2 S/\partial\varphi_1{}^2 = 0$.

Erratum: Propagators in the presence of a Yang-Mills pseudoparticle [Phys. Rev. D 16, 1041 (1977)]

F. R. Ore, Jr.

We note the following corrections:

(1) In Eq. (2.14b), the normalization of the curly-bracketed tensorial quantity in the expression for $a_3^{nma}{}_{bc}(r)$ should read

$$\frac{1}{\{32[n(n+3)-2][n(n+3)-4]\}^{1/2}}\,.$$

(2) In Eqs. (5.4), the expression for $F_{a;b}(r,r')$ should read

$$F_{a;b}(r,r') = \sum_{n=2}^{\infty}\sum_{m=1}^{d(n,1)} \frac{\mathcal{Y}_a^{nm}(r)\mathcal{Y}_b^{nm}(r')^*}{[n(n+3)-2]^2[n(n+3)-4]}\,.$$

(3) Equations (5.7b) and (5.7c) and the sentences between them should read

$$G(z) = -\tfrac{1}{96}G^{(1)}(z;2) - \tfrac{1}{32}G^{(1)}(z;-2) - \tfrac{1}{8}G^{(2)}(z;-2) + \tfrac{1}{24}F_2(z) + \frac{35z}{384\pi^2}\,. \tag{5.7b}$$

Formulas for $G^{(1)}(z;2)$, $G^{(1)}(z;-2)$, and $F_2(z)$ have already been given [cf. Eqs. (4.7) and (5.5)]; the remaining function $G^{(2)}(z;-2)$ is of the form computed in the Appendix. Thus,

$$G^{(2)}(z;-2) = -\left\{\frac{\partial}{\partial a}\left[\frac{\Gamma(\frac{3}{2}+\frac{1}{2}(9-4a)^{1/2})\Gamma(\frac{3}{2}-\frac{1}{2}(9-4a)^{1/2})}{16\pi^2} \times F(\tfrac{3}{2}+\tfrac{1}{2}(9-4a)^{1/2}, \tfrac{3}{2}-\tfrac{1}{2}(9-4a)^{1/2}; 2; \tfrac{1}{2}(1+z))\right]\right\}_{a=-2}\,. \tag{5.7c}$$

These changes affect neither the methods nor the conclusions of the paper.