Errata

Erratum: The ϵ expansion and the electroweak phase transition [Phys. Rev. D 49, 3003 (1994)]

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In the analysis of U(1) gauge theory, there is an error in the sign of the two-loop contribution to the gauge β function. The analysis of SU(2) theory is not affected. The following equations are changed:

$$\mathrm{U}(1):\ (4\pi)^4\beta_1 = 8N, \quad \mathrm{SU}(2):\ (4\pi)^4\beta_1 = -\tfrac{8}{3}(544-13N), \tag{3.3a}$$

$$N_c^{\mathrm{U}(1)}(4-\epsilon) = 182.95 - 320.50\epsilon + O(\epsilon^2). \tag{4.6}$$

Finally, Fig. 10 changes very slightly: in the left-hand figure, the upper lines now flow toward slightly decreasing g^2 rather than slightly increasing g^2, and the flow in g^2 (but not in λ) now has a fixed point at $g^2 \simeq 0.2/\beta_0$.

We are indebted to Reinhard Folk for pointing out our sign error. He and his collaborators have also investigated the two-loop flow in the U(1) model [1].

[1] S. Kolnberger and R. Folk, Phys. Rev. B **41,** 4083 (1990); R. Folk and Yu Holovatch, J. Phys. A **29,** 3409 (1996).

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Erratum: Noncommutative geometric regularization [Phys. Rev. D 54, 5174 (1996)]

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A superfluous comma entered into the first sentence on page 5177, which unfortunately changed its meaning. This sentence should not contain a comma. It should read as follows.

''(A) The operator $(\mathbf{p}^2+m^2c^2) := (\Sigma_i \mathbf{p}_i \mathbf{p}_i + m^2c^2)$ has exactly one self-adjoint extension $(\mathbf{p}^2+m^2c^2)_F$ which is contained in its form domain.''

