

Erratum: Perturbative QED and QCD at Finite Temperatures and Densities¹

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Received May 21, 1987

In equation (15) there is a denominator N missing; read: $[-\beta(\hat{\mathcal{H}} - \sum_f \mu_f \hat{N}_f)/N]$.

The second line of equation (40) should read

$$+4k_\mu q_\nu]/q^2(k+q)^2+2(\alpha-1)[g_{\mu\nu}(4(k\cdot q)^2$$

There is a right bracket missing at the end of equation (42).

In equation (46) replace in the first line $(\alpha^2+2\alpha+g)$ by $(\alpha^2+2\alpha+9)$ and in the second line $[(13-3\alpha)N+4N_f]$ by $[(13-3\alpha)N-4N_f]$.

In equation (56) in the first line the incorrect term q_μ should read $q\mu$. Moreover, in the last line $\cos 2\phi + q^2/4$ should read $\cos 2\phi + q^2/4\mu^2$.

In equation (67) replace in the second line

$$\frac{(N^2-1)g^2}{32\pi^5}$$

by

$$\frac{(N^2-1)g^2}{32\pi^4}$$

and in the last line $(n_p^- n_q^+ + n_q^- n_p^-)$ by $(n_p^- n_q^+ + n_q^- n_p^+)$.

In equation (68) the character g in the formula $+g \sum_f [\dots]$ should be 9.

In equation (83) the brackets should be multiplied by $g^4 \ln g$.

Equation (125) should read

$$r_s = \frac{4\pi}{3} \frac{N}{V}^{-1/3} m\alpha$$

In the Appendix, in equation (A6), in the first line of equation (A13), and in the last line of equation (A14), $q^{2/4}$ should be replaced by $q^2/4$.

These errors are of merely typographic origin and do not change any conclusions.

¹This paper appeared in *International Journal of Theoretical Physics*, **24**, 901 (1985).