# Renormalization Group Approach to a Functional Formulation of a Bose System.

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In this paper there are some small errors due to an uncorrect trascription from the original manuscript:

1) On p. 328 in eqs. (12) and (13) one should read respectively:

$$k \to k' = \exp[l]\, k\,,$$

$$\Phi_{k,\omega_n} \to \Phi'_{k',\omega'_n} = \zeta_l\, \Phi_{k,\omega_n} = \dots\,.$$

2) On p. 329 the second relation in eq. (16) should be

$$g(r, \beta_\Lambda) = \frac{1}{4}\,\beta_\Lambda \left\{ \mathrm{ctgh}^2\left[ \frac{\beta_\Lambda}{2}\,(r+1)\right] - 1 \right\}\,.$$

3) On p. 330, line 5, should be

$$g(r, \beta_\Lambda) \to 0\,.$$

4) The second relation in eq. (20) should be

$$\frac{\mathrm{d}u}{\mathrm{d}l} = \varepsilon u - \frac{1}{4}\,u^2 K_d\,\frac{1}{r+1}\,.$$

5) Finally, eq. (22) should be

$$r^* = -\varepsilon\,, \qquad u^* = 8\pi\varepsilon\,.$$

Notice that all the conclusions in the paper are referred to the correct version.