ERRATA

“ENVIRONMENTALLY FRIENDLY” RENORMALIZATION

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In Eqs. (5.2) to (5.5) please replace the argument $t = \kappa^2$ by just t i.e.

$$\Gamma^{(2)}(p = 0, t = \kappa^2, \bar{\lambda}, g, \kappa) = \kappa^2$$

should be changed to

$$\Gamma^{(2)}(p = 0, t, \bar{\lambda}, g, \kappa) = \kappa^2.$$

Then in Sec. 6, in the sentence immediately preceding Eq. (6.2), change “will” to “could” so that it now reads: “We could fix it using the condition. . . .” Please then change Eq. (6.2) to

$$t = \kappa^2 e^{\int_1^{\rho_c} (2 - \gamma_{\phi^2})}. \quad (6.2)$$

At the end of the continuing sentence immediately after this equation we would like to add a couple of sentences. The end of the sentence after (6.2) will then continue as

“ . . . which satisfies this equation; however, one would then not have the freedom to simultaneously implement the convenient normalization conditions (5.2) and (5.5). If we wish to use the latter conditions then the consequent relation between ρ and t is

$$t = \kappa^2 \int_0^{\rho_c} (2 - \gamma_{\phi}) e^{\int_1^x (2 - \gamma_{\phi^2})} \frac{dx}{x}.$$

The solution of this equation is very well approximated, however, by the solution of the simpler condition (6.2). We will therefore restrict all further considerations throughout the rest of the paper to this approximation.”