ERRATA

NUMERICAL COMPUTATION OF THE EFFECTIVE POTENTIAL AND RENORMALIZATION

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On p. 283 Eq. (3.1) should read

$$\begin{aligned}\hat{U}_{\text{eff},T}(\phi) = & -\frac{1}{2}\nu^2\phi^2 + \frac{\lambda}{4!}\phi^4 + \frac{T}{2}\sum_{n\neq 0}\int\frac{d^3k}{(2\pi)^3}\ln[\omega_n^2 + \mathbf{k}^2 + m^2(\phi)] \\ & + \frac{T}{2}\int\frac{d^3k}{(2\pi)^3}\ln[\mathbf{k}^2 + m_{\text{pl}}^2(\phi)],\end{aligned}\quad (3.1)$$

where the last two terms on the R.H.S. can be separated into one-loop

$$\hat{U}_{\text{eff},T}^{(1)}(\phi) = \frac{T}{2}\sum_n\int\frac{d^3k}{(2\pi)^3}\ln[\omega_n^2 + \mathbf{k}^2 + m^2(\phi)].\quad (3.2)$$