

## Erratum: Walking in the 3-dimensional large $N$ scalar model

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We have found some typos in our publication [JHEP 09 \(2014\) 167](#).

Eq. (3.9) should be

$$Z \equiv 1 - \frac{U'''(I_0)}{16\pi^2} \leq 1,$$

while eq. (3.24) and eq. (3.25) should read

$$\delta^{(3)} \left( \sum_{i=1}^6 \mathbf{k}_i \right) \prod_{i=1}^6 \gamma_{\pi}^{(2)}(\mathbf{k}_i) \times \frac{1}{N^2} \left[ \left\{ \gamma_{\pi}^{(6),1PI}(\mathbf{k}_{12}, \mathbf{k}_{34}) \delta_{i_1 i_2} \delta_{i_3 i_4} \delta_{i_5 i_6} + 14 \text{ perms} \right\} \right. \\ \left. + \left\{ \gamma_{\pi}^{(6),1PR}(\mathbf{k}_{12}, \mathbf{k}_{123}, \mathbf{k}_{56}) \delta_{i_1 i_2} \delta_{i_3 i_4} \delta_{i_5 i_6} + 89 \text{ perms} \right\} \right]$$

and

$$\gamma_{\pi}^{(6),1PI}(\mathbf{k}, \mathbf{p}) = \gamma_{\pi}^{(4)}(\mathbf{k}) \gamma_{\pi}^{(4)}(\mathbf{p}) \gamma_{\pi}^{(4)}(\mathbf{k} + \mathbf{p}) \left[ \frac{U'''(I_0)}{(u_{\text{eff}}/6)^3} + T(\mathbf{k}, -\mathbf{p}) \right].$$

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