# Erratum: Thermal and quantum fluctuations around domain walls [Phys. Rev. D 65, 065021 (2002)]

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In Sec. III B, all integrals over $\omega$ should range from $-\infty$ to $\infty$, whereas the integrals over spatial momenta should be split into longitudinal and transverse parts: the former should all range from $-\infty$ to $\infty$, while the latter should be over a spherical region of radius $\Lambda$. Equations (47) and (58) should be replaced with $\widetilde{\Gamma}_R^{(1)}(\mathbf{0})=0$ and $\widetilde{\Gamma}_R^{(2)}(\mathbf{0,0})=M^2$, respectively. The second term of formula (60) should read

$$\frac{3}{16\,\pi^2} V_2\,\beta\,M^3,$$

and the first term on the right-hand side of Eq. (61) should be

$$-\frac{3}{16\,\pi^2}\left[1+\frac{\pi}{3\,\sqrt{3}}\right] V_2\,\beta\,M^3.$$

The right-hand side of Eqs. (F4) and (F5) should be multiplied by 1/2. Finally, the last two sentences of Appendix F should be omitted.