Addendum

Quantum Tunneling at Low Temperatures: Results for Weak Damping

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The approximate evaluations of the intergrals in (4.8) and (4.12) can be improved. These integrals can be performed exactly, with the results that in Eq. (4.13) the factor 1.16 should be replaced by 0.472 and 4.07 should be replaced by 0.056. In Eq. (4.14) the factor 1.60 should be precisely 0. The contribution of the continuum eigenvalues can be evaluated directly with Eq. (4.12). As a result of this, Eq. (4.21) should be replaced by $15/2 \, [1 + 3.011 \, \alpha]$. On combining these contributions, one finds a factor of 2.860 instead of 5.47 in (4.23). Finally, a factor of $\exp [i k \omega_0 \, \tau/2]$ should be included in (A.5) of Appendix 1.

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