ERRATA

Erratum: Quantum tunneling and stochastic resonance [Phys. Rev. E 53, 5890 (1996)]

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[S1063-651X(97)05410-X]

PACS number(s): 05.40.+j, 05.30.−d, 03.65.Sq, 33.80.Be, 99.10.+g

Five changes need to be made to the original article.

(1) The driving force introduced on p. 5891 is $f(t)=A\cos\Omega t$.

(2) The linear susceptibility $\tilde{\chi}(\Omega)$ should be multiplied in Eq. (2.14) with a minus sign.

(3) $P_{\rm eq}$ below Eq. (2.18) should read

$$P_{\rm eq}=q_a(\Gamma_+-\Omega_-)/\overline{\Gamma}.$$

(4) Equation (3.5) should read

$$\lambda_0^{\pm}=-\omega_b[\alpha\mp(\alpha^2+1)^{1/2}],\quad \lambda_a^{\pm}=-\omega_b\{\alpha\mp[\alpha^2-(\omega_a/\omega_b)^2]^{1/2}\}.$$

(5) The inset in Fig. 6 has been modified and the new Fig. 6 is shown below.

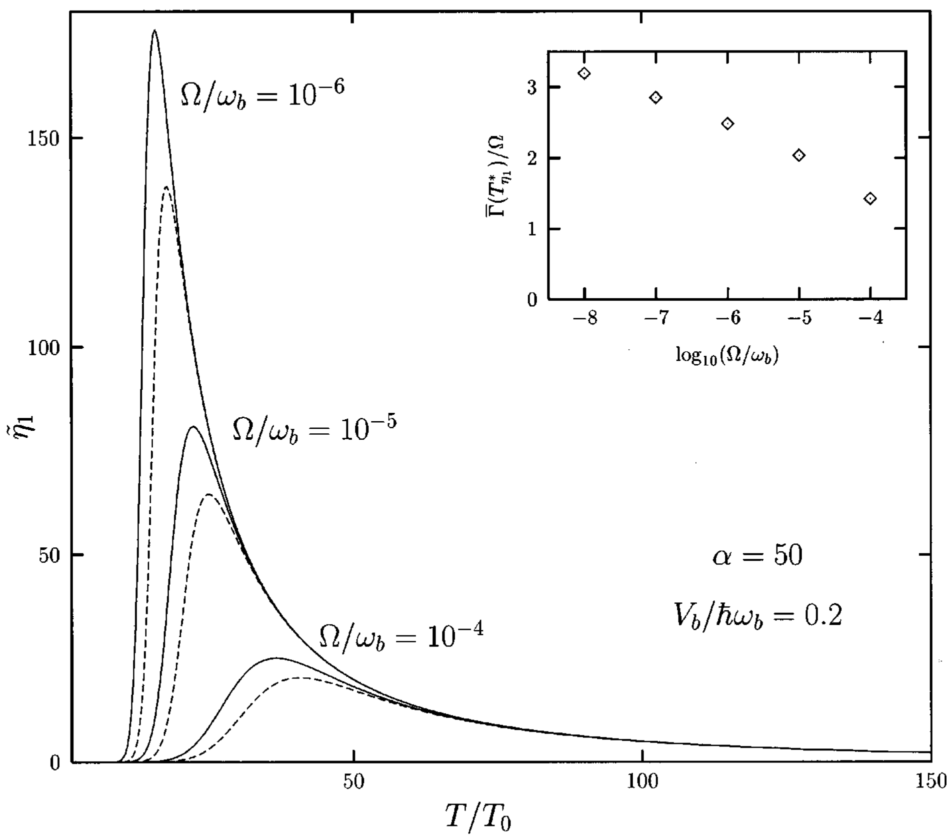

FIG. 6. Amplification vs temperature of the semiclassical amplitude $\tilde{\eta}_1^{sc}$ for different driving frequencies Ω (solid lines). For comparison, the classical power amplitudes are also plotted (dashed lines). The inset shows the ratio $\overline{\Gamma}(T^*_{\eta_1})/\Omega$ of the rate evaluated at the maximum temperature to the driving frequency Ω. Significant deviations from the empirical law $4\overline{\Gamma}^{-1}(T^*_{\eta_1})\simeq(2\pi/\Omega)$ are found, especially at low frequencies.

