

**Erratum: Semiclassical trace formulas for pitchfork bifurcation sequences
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Equations (B12), (B13), and (C19) are in error. The corrected Eqs. (B12) and (B13) read:

$$C(x) \sim \frac{1}{2} + \frac{1}{\pi x} \sin(\pi x^2/2), \quad (\text{B12})$$

$$S(x) \sim \frac{1}{2} - \frac{1}{\pi x} \cos(\pi x^2/2), \quad (\text{B13})$$

and the upper line of Eq. (C19) correctly reads:

$$\mathcal{A}_{T_{k_u k_v}} = f_{k_u k_v} \frac{(-1)^{k_u+k_v} k_u}{\hbar^{3/2} k_v} \sqrt{\frac{2\pi}{k_v T'_A(E_{k_u k_v}^*)}}, \quad (\text{C19})$$

where $T'_A(E_{k_u k_v}^*)$ signifies the derivative of $T_A(E)$ with respect to the energy E , taken at $E=E_{k_u k_v}^*$.

The updated Ref. 37 is:

J. Kaidel, P. Winkler, and M. Brack, Phys. Rev. E **70**, 066208 (2004).