

**Erratum: Universality in the dynamical phase transitions of Brownian motion
[Phys. Rev. Research 7, 013124 (2025)]**Takahiro Kanazawa, Kyogo Kawaguchi , and Kyosuke Adachi 

(Received 6 July 2026; published 29 July 2026)

DOI: [10.1103/x863-m2t5](https://doi.org/10.1103/x863-m2t5)

We report an error in the asymptotic expression of the scaled cumulant generating function $\lambda(k)$ in two dimensions ($d = 2$) [Eq. (40)]:

$$\lambda(k) \approx 4e^{-2\gamma} e^{-4/k}, \quad k \ll 1, \quad (\text{incorrect})$$

where γ is Euler's constant. The correct expression for Eq. (40) is obtained from Eqs. (23) and (36)–(39) as

$$\lambda(k) \approx 4e^{-2\gamma+1/2} e^{-4/k}, \quad k \ll 1. \quad (\text{correct})$$

Accordingly, the definition of C_0 just below Eq. (40) should be corrected as $C_0 := 4e^{-2\gamma+1/2}$. Note that Eqs. (41) and (43) remain valid with the corrected C_0 ; in particular, the expression for the rate function $I(\rho)$ for $\rho \ll 1$ [Eq. (43)] is unchanged since it does not depend on C_0 at the leading order. Finally, in Table I, the expression for $\lambda(k)$ at $d = 2$ should be replaced by $4e^{-2\gamma+1/2} e^{-4/k}$.

All other results and conclusions remain unaffected.