

Erratum

Quantum Brownian motion and the second law of thermodynamics

ILki Kim^{1a} and Günter Mahler²

¹ Department of Physics, North Carolina Central University, Durham, NC 27707, USA

² Institute of Theoretical Physics I, University of Stuttgart, Pfaffenwaldring 57/IV, 70550 Stuttgart, Germany

Eur. Phys. J. B **54**, 405 (2006)

Received 11 April 2007

Published online 4 May 2007 – © EDP Sciences, Società Italiana di Fisica, Springer-Verlag 2007

The second expression in equation (66)

$$\frac{(\mathbf{w}_0^2 + \Omega^2)(\Omega\gamma^2/4 - \mathbf{w}_0^3 - \mathbf{w}_0^2\gamma/2) - \Omega\gamma^2/2 \cdot (\mathbf{w}_0^2 - \Omega\gamma/2)}{\bar{\mathbf{w}}_1(\Omega + \gamma)(\mathbf{w}_0^2 - \Omega\gamma + \Omega^2)} \ln\left(\frac{\gamma/2 - \bar{\mathbf{w}}_1}{\gamma/2 + \bar{\mathbf{w}}_1}\right)$$

should be corrected to

$$\frac{(\mathbf{w}_0^2 + \Omega^2)(\Omega\gamma^2/4 - \Omega\mathbf{w}_0^2 - \mathbf{w}_0^2\gamma/2) + \Omega^2\gamma^3/4}{\bar{\mathbf{w}}_1(\Omega + \gamma)(\mathbf{w}_0^2 - \Omega\gamma + \Omega^2)} \ln\left(\frac{\gamma/2 - \bar{\mathbf{w}}_1}{\gamma/2 + \bar{\mathbf{w}}_1}\right).$$

^a e-mail: hannibal.ikim@gmail.com