Check for updates

OPEN

Author Correction: Entropic thermodynamics of nonlinear photonic chain networks

Fan O. Wu, Pawel S. Jung, Midya Parto, Mercedeh Khajavikhan & Demetrios N. Christodoulides

Correction to: *Communications Physics* https://doi.org/10.1038/s42005-020-00484-1, published online 27 November 2020.

It was brought to the authors' attention that equation [1] in our originally published article was first derived in Rumpf, B. Simple statistical explanation for the localization of energy in nonlinear lattices with two conserved quantities. *Phys. Rev. E* **69**, 016618 (2004) [34] as equation [9], in the same form when κ in [1] is set to unity, K in [9] is set to 0 and $\mathscr{P}$, U and M in [1] corresponds to $A_<$, $E_<$ and N in [9], respectively. In ref. [34], this equation was introduced to describe the small fluctuation entropy of a defocusing discrete nonlinear Schrödinger equation. To acknowledge this early result, a corresponding change has been made after Eq. [1] in our manuscript, and reference [34] has been added to the main original article.

The following correction have been made:

On page 4, after equation (1), the following text has been added: "It was first derived in ref. [34] in order to account for the small fluctuation entropy of the defocusing nonlinear Schrödinger equation."

Reference [34], Rumpf, B. Simple statistical explanation for the localization of energy in nonlinear lattices with two conserved quantities. *Phys. Rev. E* **69**, 016618, https://doi.org/10.1103/PhysRevE.69.016618, was added to the reference list.

The correction has been applied to both the HTML and PDF version of the article.

Published online: 04 October 2023