

Erratum to “Designing thermal demultiplexer: Splitting phonons by negative mass and genetic algorithm optimization”

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Erratum to "Designing thermal demultiplexer: Splitting phonons by negative mass and genetic algorithm optimization"

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Equations (8) and (9) in the original paper [*Chin. Phys. B* **30** 036301 (2021)] are corrected.

Keywords: phonon transport, thermal demultiplexer, optimization algorithm

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Equation (8) in the originial paper[1] should be corrected as

$$C = \langle X\dot{X}^T \rangle = \frac{\mathrm{i}k_\mathrm{B}T_\mathrm{L}}{\pi}\int_0^\infty \mathrm{d}\omega G^\mathrm{r}(\omega)\Gamma_\mathrm{L}(\omega)G^\mathrm{a}(\omega) + \frac{\mathrm{i}k_\mathrm{B}T_\mathrm{R}}{\pi}\int_0^\infty \mathrm{d}\omega G^\mathrm{r}(\omega)\Gamma_\mathrm{R}(\omega)G^\mathrm{a}(\omega). \tag{8}$$

Equation (9) should be corrected as

$$C(\omega) = \frac{\mathrm{i}k_\mathrm{B}}{\pi}G^\mathrm{r}(\omega)[T_\mathrm{L}\Gamma_\mathrm{L}(\omega) + T_\mathrm{R}\Gamma_\mathrm{R}(\omega)]G^\mathrm{a}(\omega). \tag{9}$$

References

[1] Tan Y T, Wang L Q, Wang Z, Peng J and Ren J 2021 *Chin. Phys. B* **30** 036301

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