SCIENTIFIC REPORTS

OPEN

Author Correction: A micromechanics-based analytical solution for the effective thermal conductivity of composites with orthotropic matrices and interfacial thermal resistance

Sangryun Lee¹, Jinyeop Lee², Byungki Ryu³ & Seunghwa Ryu¹

Correction to: *Scientific Reports* <https://doi.org/10.1038/s41598-018-25379-8>, published online 08 May 2018

The Article contains typographical errors.

Equation 4,

$$S_{ik}(\mathbf{x}) = \frac{\partial}{\partial x_i} \int_V \frac{\partial G(\mathbf{x} - \mathbf{y})}{\partial y_j} dy K_{0_{jk}} \quad \text{and} \quad e_j = S_{ij} e_j^*$$

should read:

$$S_{ik}(\mathbf{x}) = \frac{\partial}{\partial x_i} \int_V \frac{\partial G(\mathbf{x} - \mathbf{y})}{\partial y_j} dy K_{0_{jk}} \quad \text{and} \quad e_i = S_{ij} e_j^*$$

Equation 23,

$$\alpha^{critical} = R \left(\frac{1}{\kappa} - \frac{1}{k_I} \right)$$

should read:

$$\alpha^{critical} = R \left(\frac{1}{k_I} - \frac{1}{\kappa} \right)$$

¹Department of Mechanical Engineering, Korea Advanced Institute of Science and Technology (KAIST), 291 Daehak-ro, Yuseong-gu, Daejeon, 34141, Republic of Korea. ²Department of Mathematical Sciences, Korea Advanced Institute of Science and Technology (KAIST), 291 Daehak-ro, Yuseong-gu, Daejeon, 34141, Republic of Korea. ³Thermoelectric Conversion Research Center, Korea Electrotechnology Research Institute (KERI), Changwon, Gyeongsangnam-do, 51543, Republic of Korea. Sangryun Lee and Jinyeop Lee contributed equally. Correspondence and requests for materials should be addressed to S.R. (email: ryush@kaist.ac.kr)

Open Access This article is licensed under a Creative Commons Attribution 4.0 International License, which permits use, sharing, adaptation, distribution and reproduction in any medium or format, as long as you give appropriate credit to the original author(s) and the source, provide a link to the Creative Commons license, and indicate if changes were made. The images or other third party material in this article are included in the article's Creative Commons license, unless indicated otherwise in a credit line to the material. If material is not included in the article's Creative Commons license and your intended use is not permitted by statutory regulation or exceeds the permitted use, you will need to obtain permission directly from the copyright holder. To view a copy of this license, visit <http://creativecommons.org/licenses/by/4.0/>.

© The Author(s) 2019