

Erratum: Formation of native defects in boron arsenide and their impact on thermal conductivity **[Phys. Rev. B 112, 214110 (2025)]**

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In the original paper, two corrections are necessary.

(1) The caption of Fig. 3 should include the descriptions of subpanels (c) and (d). The corrected caption reads “(c) Formation enthalpy versus simulation size. (d) Cohesive energy versus simulation size.”

(2) Fig. 8 has been updated. The corrected Fig. 8 is shown below.

These corrections do not affect any of the conclusions of the paper.

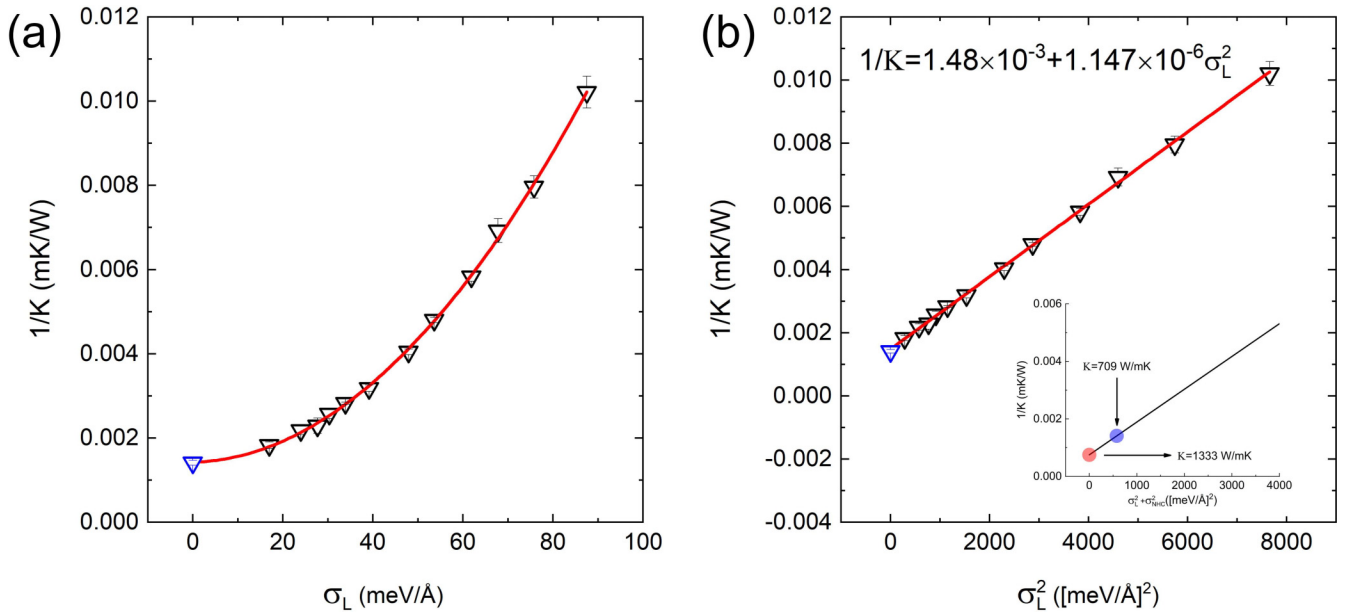


FIG. 8. Inverse thermal conductivity ($1/\kappa$) from NEP-g based MD simulations as functions of the random force variance (σ_L) in the Langevin thermostat. (a) $1/\kappa$ as functions of σ_L , and the solid red line represents the quadratic polynomial fitting curve. Extrapolation value (in blue data) at $\sigma_L = 0$ corresponds to inverse thermal conductivity of NVT ensemble with NHC thermostat. (b) $1/\kappa$ as functions of σ_L^2 , and the solid red line is a fitting curve with the equation marked. The illustration shows $1/\kappa$ as a function of the total force error ($\sigma_L^2 + \sigma_{\text{NHC}}^2$). By extrapolation, the thermal conductivity is corrected from 709 W/(m K) with NHC force error to 1333 W/(m K) without force error.