

ERRATA – Phonons in Nanostructures, M. Strocio and M. Dutta (Cambridge University Press, Cambridge, 2001)

On page 38, “adding eqs. 5.11 and 5.12” should be “adding eqs. 5.2 and 5.3”

In Eqs. 5.16, and 6.8, the sign of the factor in the exponential should be “+” instead of “-”

Eq. 5.30 should be  $\frac{1}{V} \sum_q \leftrightarrow \int d^3q / (2\pi)^3$

In Eq. 6.5 the exponential, the factor “ $(q - q' - q)$ ” should be replaced with “ $(q - q' - q) \cdot r$ ”

In Figs. 7.21, 7.22, and 7.23, “ $\omega = 7.6$  GHz” should be “ $\nu = 7.6$  GHz”

In Eq. 7.39, 7.41  $c_t^2 = \frac{\lambda}{\rho}$  should be  $c_t^2 = \frac{\mu}{\rho}$

In Eqs. 7.55 and B.16,  $\omega_{TO}^2$  should be  $\omega_{TO}^2 = \omega_{o.n}^2 - \frac{\omega_p^2}{3} \frac{1}{(1 - \frac{4\pi n n \alpha n}{3})}$

On page 74, just before Eq. 7.91, replace “Thu” with “Thus, for the wurtzite case,”

On page 122, fourth line from bottom, “MTs” should be “dimers”

In Eq. 7.261,  $\tan(\omega_q r / c_l)$  should be  $\tan(\omega_q a / c_l)$

On pages 133 (Eqs. 8.8 and 8.10) and 148 (Eq. 8.77) the factors of “ $\pi \hbar^2$ ” in the denominators should be “ $\pi^2 \hbar$ ”

In Eq. 8.14 “ $dy$ ” should be replaced by “ $d\theta$ ”; also in Eq. 8.14 “ $\partial f / \partial \theta$ ” should be replaced with “ $|\partial f / \partial \theta|$ ”

In Eq. 8.16 the upper limit of the integral, “ $2\pi$ ” should be “ $\pi$ ”; also in Eq. 8.16  $\pm (m / \hbar^2 q k)$  should be  $|\ (m / \hbar^2 q k) |$

In the first line in Eq. 8.127, “ $z < -d$ ” should be replaced by “ $z < 0$ ”

Eqs. D.35 and D.37 on page 243 the factor  $(4\pi e^2 \hbar / L^2)$  should be replaced by  $(4\pi e^2 \hbar / L^2)^{1/2}$

3<sup>rd</sup> line after Eq. 5.5 “eigenvalue  $N_q$ ” -> “eigenvalue  $n_q$ ”

In Fig. 8.9 on page 160, the curves labeled SO,f refer to the case of a “free-standing” GaAs quantum wire in vacuum.