
ERRATA

Erratum: Atomic vibrations in thin $(\text{GaAs})_n(\text{AlAs})_n$ superlattices
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We regret that the message presented in Fig. 4 of the above paper is wrong and has arisen purely due to a quirk in the plotting subroutine with a small number of q -values along the x -axis. The anticrossing of the LA and TA phonons in a $(\text{GaAs})_n(\text{AlAs})_n[001]$ superlattice along the $[001]$ direction is forbidden by symmetry. We sincerely thank Professor M. Cardona for drawing our attention to this error.

Consequently, the following corrections should be made to the paper. Ignore Fig. 4. Disregard the first four sentences of the third paragraph in Sec. III B and the dotted box in Fig. 2(a). Replace “the two systems” by “the former system” in the penultimate sentence in Sec. IV.

We point out that LA-TA anticrossings have been observed experimentally in $[001]$ $(\text{GaAs})_n(\text{AlAs})_n$ superlattices.¹ In order to explain them a finite wavevector along x or y had to be assumed. Similar effects have also been observed in amorphous Si-SiN_x superlattices.²

¹V. I. Belitsky *et al.*, Phys. Rev. B **49**, 8263 (1994); also Phys. Rev. Lett. **71**, 3035 (1995).

²P. V. Santos *et al.*, Phys. Rev. B **36**, 4858 (1987).