



SDI Review Form 1.6

Journal Name:	<u>Physical Science International Journal</u>
Manuscript Number:	Ms_PSIJ_37435
Title of the Manuscript:	Multi-Phonon Raman Scattering in GaAs/Al_{0.28}Ga_{0.72}As Super-lattice
Type of the Article	

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Compulsory REVISION comments	<p>Abstract</p> <p>We think that the peak at 290 cm⁻¹ may be caused by emission of a longitudinal optical phonon in GaAs/Al_{0.28}Ga_{0.72}As super-lattice, the peak at 584 cm⁻¹ by emission of two ones, and the peak at 876 cm⁻¹ by emission of three ones.</p> <p>Exclude assumption wordings such as we think as this is a scientific research paper and therefore the findings should be backed by scientific study.</p> <p>*There are attempts to explain the peak occurrence but not properly explained throughout the article.</p> <p>2. Sample preparation and experiment results</p> <p>Separate section above into subheading 2. Sample preparation & Experimental method and use Subheading 3. For Experimental Results. Can refer to general guidelines.</p> <p>http://www.sciencedomain.org/page/general-guideline-for-authors#Type_of_papers</p> <p>Experimental method only focuses on sample preparation and lacks info on type of device used and the specifications during the measurement.</p> <p>where M and m stands for the mass of a heavy and a light atom , respectively, D is force constant between neighboring atoms, a lattice constant (symbol is missing)</p> <p>derived from binary material ones ^[5].Reference style needs correction. Refer to author guidelines.</p> <p>(1) In consideration of the incident light with wavelength $\lambda_v=782\text{nm}$ in vacuum and GaAs with refractivity $n = 3.5$. I believe that the label is to explain the peaks observed in the table. Proper writing method is required to label and further carryout discussion.</p>	Thank you for your comment. I agree with reviewer's comment and have made some of corrections.
Minor REVISION comments		
Optional/General comments		