



SDI Review Form 1.6

Journal Name:	Physical Science International Journal
Manuscript Number:	2014_PSIJ_12576
Title of the Manuscript:	Electron energy levels for a finite elliptical quantum wire in a transverse magnetic field
Type of the Article	Research 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	The authors must focus on main motivation of the work. The results presented are only primitive. For example the variation of the ground and first excited energies could have been shown as a function of magnetic field strength. Showing the effect of strain on energy level and wave functions from moderate to strong fields. The symbol ξ_0 in figures is not defined.	" ξ_0 is a parameter which can describe the shape of an ellipse in ellipsoidal coordinates. The value of ξ_0 belong to the interval $(0, \infty)$. The ellipse near to a line segment which length is $2a$ when ξ_0 close to zero and near to an approximate circle which radius near to infinity when ξ_0 close to infinity." is added in line 134. I agree the opinion that a function can be obtained if we consider the strong fields.
Minor REVISION comments		
Optional/General comments	The paper should be re-written, as there are many typographical and grammatical errors. The refrence list seriously needs to be checked. Physica B and Physica E should be written in complete. First ref. H. Sakaki, jpn 1980 should be Jpn. J. Appl. Phys. I understand that relevant references like: Phys. Lett. A 376, 590 (2013), Phys. Lett. A 375, 3910 (2011), Physica B 407, 2334 (2012), Journal of Luminesence 136, 240 (2013) et. Should be cited	"H. Sakaki, Jpn. 1980 J. Appl. Phys. " in line 247 is changed to "H. Sakaki 1980 Jpn. J. Appl. Phys." "Phys. B" in lines 262 and 267 are changed to "Physica B". "Phys. E" in lines 263, 264 and 282 are changed to "Physica E". ¹⁰⁻²¹ in line 42 is changed to ¹⁰⁻²² . "The ground-state energy of electron in a quantum wire in the presence of a magnetic field parallel to wire axis is calculated. ²² The influence of laser field in quantum wells and dot have been considered also. ²³⁻²⁵ The linear and nonlinear optical absorption in a disk-shaped quantum dot is investigated in a magnetic field. ²⁶ " is added in line 45. ²²⁻²⁶ is changed to ²⁷⁻³¹ in line 49. ²⁷⁻³⁰ is changed to ³²⁻³⁵ in line 50. ³⁰ is changed to ³⁵ in line 51. The corresponding references are added in line 271 to 275.