



SDI Review Form 1.6

Journal Name:	Physical Science International Journal
Manuscript Number:	Ms_PSIJ_29954
Title of the Manuscript:	Free energy estimation of a binary alloy around the equilibrium based on the order parameter
Type of the Article	Original 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)
<u>Compulsory</u> REVISION comments		
<u>Minor</u> REVISION comments	<ol style="list-style-type: none"> 1) I suggest the following title: Free energy determination of a binary alloy around the equilibrium based on the order parameter 2) I suggest the following abstract: In this paper, we have determined the free energy of a binary alloy for any order and it is showed that the number of equilibrium states of the system is obtained by the Taylor expansion to the 4-th order choice. We explicitly determine the stable states of alloy which are characterized by the free energy. 3) I suggest the following keywords: Free energy; binary alloy; Taylor expansion; equilibrium states 	That's ok we will take into account these suggestions.
<u>Optional/General</u> comments		