



SDI Review Form 1.6

Journal Name:	Physical Science International Journal
Manuscript Number:	2015_PSIJ_16087
Title of the Manuscript:	Investigation of disordered state in the distribution of diluted interaction coupling Using Ising Spin model in Two Dimension
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)
Compulsory REVISION comments	Abstract: Show when the phase transition start/stop to appear regarding different sizes and disorder degrees. -Add a summary of the work at the end of the introduction. - Line 44: what kind of distribution is used? give the equation. -Line 49: what does (1) (2) mean in the equation (2.4)? -Line 53: "Previous studies showed..." cite some of them. -Line 60: what rij means? -Line 85:How many samples are used for averaging? -Line 87: "...in order to identify the effect of lattice size (L) and roh (ρ).." only one ρ are used in fig1,2! -Line 92: It will be interesting to observe the effect for different ρ, L for a wide T interval. -Lines 97-98-99: How much is that point temperature? -Figure 2: Indicate the sizes on each curve of the figure. Figure 3: where is the high temperature? you used only T=1! Ethical issues: Same work were done by the author in another journals: www.davidpublishing.com/DownLoad/?id=7485 http://link.springer.com/article/10.1007%2Fs10948-012-1908-3	I thank you very much for the constructive comments and addressed the comments. Concerning the ethical issue part: the results of my previous papers are quite different from this one. The papers are online so that anybody can check this. - I have used Gaussian type of bond distribution and the equation is in my previous papers -I have taken two replicas of spin so that numbers 1 and 2 indicate replica 1 and 2 respectively. -Depending up on the situation I have taken different number of samples like 100 (large size) & 200(small size). -the point temperature that phase transition has taken place is approximately 1.7k -I have shown the effect of different values of ρ, L, T in my previous works -the high temperature means in this case T is greater than or equal to one
Minor REVISION comments		
Optional/General comments		