



**SDI Review Form 1.6**

Journal Name:	<a href="#">Asian Journal of Research and Review in Physics</a>
Manuscript Number:	<b>Ms_AJR2P_44453</b>
Title of the Manuscript:	<b>MODULATED FEEDBACK AND COUPLING TIME DELAYS, AND ALL-TO-ALL CHAOS SYNCHRONIZATION IN A NETWORK OF NETWORKS:ONE OF THE SIMPLEST CASES</b>
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>)

**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)
<b>Compulsory</b> REVISION comments		
<b>Minor</b> REVISION comments		
<b>Optional/General</b> comments	<p>This paper discusses a network of simplest case (models (1)-(5)). The work is significant. The sufficient stability condition for the model are conditions (9)-(11). But for the chaotic synchronization, the author(s) does not provide any conditions to guarantee the existence of the case. Then the author(s) provided some numerical simulations. According to the simulations, it is not clear for me. I consider that the author(s) should show at least which curve is x and which curve is y in one figure. In the stable synchronization if x overlaps y in one figure. In chaotic synchronization, the author(s) also needs to compare two or more than two curves in one figure.</p> <p>What is the conditions of chaotic synchronization?</p>	<p>We appreciate very much the Reviewer's remarks to improve the MS quality. In fact, condition (9) is the stability condition for all-to-all complete synchronization: <math>x=y=z=u=w</math>. Condition (11) is the existence condition for all-to-all complete synchronization <math>x=y=z=u=w</math>.</p> <p>In the revised MS we made it clear by emphasizing those conditions in BOLD just before Section III.</p> <p>In the revised MS as recommended by the anonymous Reviewer we add one figure corresponding to the case of chaos synchronization in case of sinusoidal modulations of the time delays: Figure 8(a). In this Figure we plot both x and y variable in one figure. Presentation clearly demonstrate that after transient processes the dynamics of both variables coincides with each other. Just before formula (14)</p> <p>(Note that for the visibility purposes the lines are slightly thickened.)</p> <p>Conditions of chaotic synchronization are presented in our response above.</p>

**PART 2:**

	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)
<b>Are there ethical issues in this manuscript?</b>	(If yes, Kindly please write down the ethical issues here in details)	