



SDI Review Form 1.6

Journal Name:	Physical Science International Journal
Manuscript Number:	Ms_PSIJ_38497
Title of the Manuscript:	Circuit Design of the Polynomial Chaotic Sun System
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>)

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 manuscript may be considered for publication. Authors have presented Circuit Design of the Polynomial Chaotic Sun System. The following issues should be addressed : - Fig 4. Circuit output signals from PSpice A/D show sensitivity to initial stored voltages of the capacitors. $V(X), V(Y), V(Z)$ were initially set at (0,0,0)volts ? Please provide PSPICE schematics circuit and simulation results to verify circuit output signals of Fig4. which initial values were set at (0,0,0)volts are correct. - The amplitudes and scales of the state variables differ markedly and are also too large for a reasonable DC supply; to take care of these issues, we make the following transformations ? Please explain the reason why the authors choose transformations of equation (2) and equation (5). Do authors have any theoretical reference ? - Many papers discuss to construct chaotic circuits, such as [A new 3D chaotic system with golden proportion equilibria: Analysis and electronic circuit realization : İ Pehlivan, Y Uyaroğlu - Computers & Electrical Engineering, 2012 – Elsevier] Please discuss the advantages of the introduced method in the conclusion section. - The real circuit of the chaotic system is constructed on a breadboard and the experimental results are shown in scope will be better.	
Minor REVISION comments		
Optional/General comments		

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