



**SDI Review Form 1.6**

Journal Name:	<a href="#">Asian Research Journal of Mathematics</a>
Manuscript Number:	Ms_ARJOM_44589
Title of the Manuscript:	Nonlinear Saturation Controllers for suppression the Vibration of Nonlinear Spring Pendulum
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)
<b>Compulsory</b> REVISION comments	<ul style="list-style-type: none"> <li>Authors have to show the circuit of <b>Nonlinear Saturation Controller (NSC)</b> used in the work.</li> <li>Abstract- studied system – this studied system is not clearly discussed in the paper</li> <li>Page-2, line 3 from bottom- fundamental system--- what is studied system (written in the abstract) and fundamental system?</li> <li>Suggested to add a sketch/ figure of <b>Nonlinear Spring Pendulum</b> considered in the analysis</li> <li>Clarity of <math>x</math>, <math>\phi</math>, <math>u</math> and <math>v</math> are needed in the paper</li> </ul>	<ul style="list-style-type: none"> <li>Done in paper.</li> <li>Done in paper.</li> <li>Done in paper.</li> <li>Done in paper.</li> <li>Done in paper.</li> </ul>
<b>Minor</b> REVISION comments	<ul style="list-style-type: none"> <li>Ref [4]- International journal of non-linear mechanics –correct to - International Journal of Non-Linear Mechanics</li> <li>Page.1- Eissa et al [7–11] correct to Eissa et al [7–9,11]</li> <li>Ref [10]- is not used in the paper</li> <li>Page-2- matlab-simulink correct to Matlab-Simulink</li> <li>Page-2-Line 17 from bottom- what is PPF is not mentioned in the paper</li> <li>Page-2- line 12 from bottom- <b>They</b> mathematical solutions were in a great agreement with the numerical ones ---correct</li> </ul>	<ul style="list-style-type: none"> <li>Done in paper.</li> <li>Done in paper.</li> <li>Done in paper.</li> <li>Done in paper.</li> <li>Done in paper.</li> <li>Done in paper.</li> </ul>
<b>Optional/General</b> comments	All cited references are good Mathematical analysis is good, I suggest authors to check for any typographical mistakes in equations.	<ul style="list-style-type: none"> <li>Done in paper.</li> </ul>

**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)	