

## Review Form 1.7

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|--------------------------|---|
| Journal Name:            | <b>Journal of Engineering Research and Reports</b>  |
| Manuscript Number:       | <b>Ms_JERR_95918</b>  |
| Title of the Manuscript: | <b>Mathematic Model and Simulation of Magnetic Fluid Differential Transformer Tilt Sensor</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:

(<https://www.journaljerr.com/index.php/JERR/editorial-policy> )

**Review Form 1.7**

**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) |
|---|---|---|
| <p><b>Compulsory</b> REVISION comments</p> <p>1. Is the manuscript important for scientific community?<br/>(Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable?<br/>(If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.<br/><b>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</b></p> | <p>This paper is very interesting and has a <b>good positive contribution to the mathematical applications</b> related to magnetic fields.</p> <p>It is better if the name of the simulation model used is <b>SPECIFICALLY STATED</b> in the title of this research.</p> <p>Given the statement above, preferably in a <b>more detailed and focused abstract</b>.</p> <p>Overall this paper is good and interesting and contributes very positively.</p> <p>This paper is good and quite good in the variety of correlations, especially the mathematical parameters.</p>   |   |
| <p><b>Minor</b> REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>   |   |   |
| <p><b>Optional/General</b> comments</p>   | <p>1. Please in the <b>ABSTRACT</b> section: explain in more detail about the <b>Simulation Model, the Name of the Simulation Model and the Variety of Mathematical Parameters</b> used as the Subject of this Research;</p> <p>2. Based on the <b>research object GB/T6109-2008</b>, explain <b>more specifically and in detail the details of the object</b> associated with the magnetic field being discussed;</p> <p>3. Expand in more detail the <b>parameter relationships in Equation (7) to Equation (15)</b> which are <b>associated with the magnetic field interference</b> which is the object of this research;</p> <p>4. Please first <b>describe the understanding of the ANSYS Maxwell preprocessor</b> which is the basis for the <b>Model Simulation</b> in this research;</p> <p>5. Describe better for <b>research results pictures</b> on the part of the figure that is correlated with mathematical parameters, especially the simulation used.</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) |
|---|---|---|
| <p>Are there ethical issues in this manuscript?</p> | <p><i>(If yes, Kindly please write down the ethical issues here in details)</i></p> |   |

**Reviewer Details:**

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|----------------------------------|---|
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