

Review Form 1.7

Journal Name:	Physical Science International Journal
Manuscript Number:	Ms_PSIJ_96694
Title of the Manuscript:	Gravitational displacement: Time dilation rooted in vacuum energy
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:

(<https://www.journalpsij.com/index.php/PSIJ/editorial-policy>)

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>Compulsory REVISION comments</p> <p>1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? (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. <u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>This manuscript can be of interest. It proposes yet another explanation for the phenomenon Dark Matter. However, since they now make G a position dependent value. I would expect that it should be a Tensor. The MOND theory was in large refuted with the Bullet Galaxy. This document should at least explain why this theory would perform better in that situation Title seems to cover the content</p> <p>Abstract is comprehensive</p> <p>Subsections are appropriate arranged.</p> <p>I think that the derivation of a variable G in this form can't so easy be inserted in the Einstein Field Equations. G becomes location dependent and thus we should have a global scaling G_0 and the variability of G in the tensors. The reviewer misses the references to the places where MOND failed and the discussion how this proposal should prevail where MOND failed.</p>	
<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	Seems good English	
<p>Optional/General comments</p>	The reviewer misses how the connection between Time dilation and G variability is made. Both are reviewed but the logic reasoning why the total effect of Time dilation is covered by the proposed G variability seems to be missing.	

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

Reviewer Details:

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