

## 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><b>Compulsory</b> REVISION comments</p> <p>1. <b>Is the manuscript important for scientific community?</b> (Please write few sentences on this manuscript)</p> <p>2. <b>Is the title of the article suitable?</b> (If not please suggest an alternative title)</p> <p>3. <b>Is the abstract of the article comprehensive?</b></p> <p>4. <b>Are subsections and structure of the manuscript appropriate?</b></p> <p>5. <b>Do you think the manuscript is scientifically correct?</b></p> <p>6. <b>Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b> <b>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</b></p>	<p><b>Ans 1:</b> The study of this manuscript suggests that the gravitational constant, G, itself causes a displacement that decreases the gravitational strength, only to a noticeable degree for massive astronomical structures like galaxies and more heavy parent structures. So, the manuscript is very important for scientific community.</p> <p><b>Ans 2:</b> The title of the article is suitable.</p> <p><b>Ans 3:</b> The abstract of the article is comprehensive.</p> <p><b>Ans 4:</b> The section "Introduction" is very short. I suggest you to write more briefly and also write about Dark Energy and explain some Dark Energy candidates how it describes our accelerating universe. The other section, subsections and structure of the manuscript are appropriate.</p> <p><b>Ans 5:</b> I think the manuscript is scientifically correct.</p> <p><b>Ans 6:</b> I suggest to write more references, minimum 25. Add some references related to Dark Energy candidates. Also add the following references: <b>Ref 1:</b> Saha, P. and Debnath, U., "Study of Entropy-corrected Logarithmic and Power-law Versions of Pilgrim Dark Energy", <i>International Journal of Theoretical Physics</i>, volume 55, pages 1285–1299 (2016). <b>Ref 2:</b> Saha, P. and Debnath, U., "Reconstructions of <math>f(T)</math> gravity from entropy-corrected holographic and new agegraphic dark energy models in power-law and logarithmic versions", <i>The European Physical Journal C</i>, volume 76, Article number: 491 (2016).</p>	
<p><b>Minor</b> REVISION comments</p> <p>1. <b>Is language/English quality of the article suitable for scholarly communications?</b></p>	<p><b>Ans 1:</b> English language quality of the article is suitable for scholarly communications.</p>	
<p><b>Optional/General</b> comments</p>	NA	

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

### Reviewer Details:

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