



SDI Review Form 1.6

Journal Name:	Physical Science International Journal
Manuscript Number:	Ms_PSIJ_28935
Title of the Manuscript:	The electrodynamic vacuum field theory approach and the electron inertia problem revisiting
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:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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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)
<u>Compulsory</u> REVISION comments	<p>The article is a review article of previous works. In section 1, classical electromagnetic equations are discussed and vacuum potential field is introduced. An alternative electrodynamics are formulated and discussed. In section 2 Feynman time paradigm has been elaborated Ampere's law. Quantum origin of electromagnetic mass of charged particle and the charged particle self-interaction is discussed in sections 5 and 6. The electromagnetic mass of a charged particle is derived considering charged particle shell model in vacuum electromagnetic fields. Radiation reaction and other aspects of the theory are discussed elaborately. The article gives an insight into the electrodynamics of charged particles and electromagnetic vacuum field. Finally the article is written in good sequence.</p>	<p>The article contains a review of some previous and mainly new ideas lying in the background of the modern both classical and quantum electrodynamics models, taking into account the selfinteraction phenomenon and the related charged particle inertial mass problem.</p>
<u>Minor</u> REVISION comments	<p>The following points may be addressed.</p> <p>1. Lines 179-181 : Taking this into accountfield medium. The sentence may be changed to correct form.</p> <p>2. Line 274 which can easily be rewritten error reference source not found</p> <p>Does it mean vacuum electromagnetic fields are absent or simply the statement is given from the continuity equation? Clarification in may be given for the statement used at several places.</p>	<p>These and many other language shortcomings were corrected in the manuscript.</p>



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<u>Optional/General</u> comments	The scalar and vector products are normally denoted by a dot and cross respectively. In the text a different notation is used for scalar product.	<p>The omitted needed References are inserted in the text. Thanks for this important remark.</p> <p>The notations, accepted in the manuscript, were mainly based on those widely used by the author before, and as appeared, are proper for many calculations as they help often to avoid misunderstandings.</p>