



SDI Review Form 1.6

Journal Name:	Physical Science International Journal
Manuscript Number:	2015_PSIJ_18291
Title of the Manuscript:	ELECTRO-GRAVITY VIA GEOMETRIC CHRONON FIELD
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.

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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)
Compulsory REVISION comments	The idea of a "Chrononic field"" is nothing new (see for ex. Principles of Discrete Time Mechanics" by George Jaroszkiewicz, Cambridge Monographs on Mathematical Physics, Cambridge Univ. Press, Cambridge, April 2014), and the idea of a relativistic QFT with chronons as Field Quanta (excited states.) is interesting. But the The discussion does not live up of the ideas of the author. It is poor, unstructured (just missing the QFT with chronon promise to the reader!). We believe that it will be useful to the author a careful reading of the book by Jaroszkiewicz and papers by Erasmo Recami, as http://arxiv.org/abs/1305.3591 On a Time-Space Operator (and other Non-Selfadjoint Operators) for	"But the The discussion does not live up of the ideas of the author. It is poor, unstructured (just missing the QFT with chronon promise to the reader!)". The author did not promise to calculate chronon spins or any other chronon property. The subject of the paper regards, how an acceleration field that can be represented through a field of time, that is not anticipated by General Relativity, accounts for an electric field and for matter and technologically most importantly, for electrogravitational warp drive. The field is expressed by the curvature vector of the gradient of a scalar field. The second power of the norm of the curvature field is the second power of curvature. More precisely, such curvature is equivalent to acceleration. First an expression of the curvature vector perpendicular to a gradient of a scalar field is calculated. Second, an antisymmetric Tzvi Scarr and Yaakov Friedman matrix is calculated from the gradient of the scalar field and from the curvature vector. Then the degrees of freedom in an offered action operator are discussed, then the general relativistic equation is developed. Why is such a simple idea "poor and unstructured" ? Clarifications were added to the paper. (28) was removed. The $SU(2) \times U(1)$ degrees of freedom in the matrix representation of the acceleration field is a fact that is expressible by equations but these equations are nothing more than the result of the theory of rotation groups and is not due to any quantum theory. For $SU(3)$, the reader has to be familiar with the great work that was done in Foliations and especially Godbillon-Vey class.



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	Observables in QM and QFT. The most negative thing is the self-plagiarism risk by the author. The paper in fact is too similar to a previous and published Electro-gravitational Technology via Chronon Field in the same Journal. Physical Science International Journal 4(8): 1158-1190, 2014. We believe that a new contribution should have stronger motives and ideas.	For electro-gravity warp drive See: http://www.ign.com/articles/2015/04/28/nasa-may-have-invented-a-warp-drive Photons, by Dr. Hans Giertz behave as pairs of intertwined virtual +e and -e charge. Slight imbalance, say of 1% in 10^{24} photons is equivalent to charge separation of $\pm 10^{22} \times 1.6 \times 10^{-19}$ coulomb $\sim \pm 1600$ coulombs, way beyond what is needed to overcome the field of the Earth. That obviously offers a technological breakthrough which is not less important than a full prediction of QFT. As for http://arxiv.org/abs/1305.3591 The author fails to see the direct geometric bending of material clock trajectories in the offered paper. Also please note the author's 2012 exposure prior to the offered paper, see: http://www.israelphysicalsociety.org/submissions/maximum-proper-time-initial-event-and-emergent-orthogonal-time-ensemble-unsynchronizable And a premature unpublished work from 2010 (full of errors), https://www.scribd.com/doc/29552890/Emergent-Time?secret_password=1aeo9ti2ey561cmbb0tg There is also a version from 2006 !!! "We believe that a new contribution should have stronger motives and ideas." The author believes that the Godbillon-Vey interpretation of foliations and the symmetries in the action operator are the missing link towards a full field theory. Moreover, any such progress may contribute to technological advancement of electro-gravity which by inertial induction leads to a new way to extract energy from space-time. The new findings of Dr. David Pares from Nebraska and the new findings
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		of NASA are just the beginning. Preventing publication can have a devastating impact on the future of developing countries. Please let the scientific community judge.
<u>Minor</u> REVISION comments		
<u>Optional/General</u> comments		