



**SDI Review Form 1.6**

Journal Name:	<a href="#">Physical Science International Journal</a>
Manuscript Number:	<b>Ms_PSIJ_21966</b>
Title of the Manuscript:	<b>The Fine-Structure Constant as the Physical-Mathematical MILLENNIUM PROBLEM</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:

(<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)
<b>Compulsory</b> REVISION comments	<p>The authors must to consider theories related to de connections of the space-time linked with the Chern-Simon form and the possibility of used it to the value of this fine structure, which could be related with the evaluating of certain length between elemental frames of physical identities.</p> <p>The structure of the space-time obeys to the field connections of each once points in which are produced "movements" due to the actions of these fields. I think that the fine-structure will have that to see with the connectivity due to the connection between points or particles of the space-time.</p> <p>"Mathematical Nanotechnology: Quantum Intentionality" published in JAMP, SCIRP</p> <p>Here the author could to find certain parameters to relate with yours conjectures.</p> <p>The paper must be reduced or resumed and certain sections must be eliminated.</p> <p>The arguments presented by authors not are sufficient to solve a complex problem on the equilibrium so fine in the microscopic level of the space-time in whole their regions of the space-time and the insignificant production of the matter to</p>	<p>Reviewers' comments relate to the prospects of development of the outlined in the article theory of the fine structure constant and its relationship with the theorems of theoretical physics.</p> <p>Since we are talking about the fine structure constant, which is recognized as the main dimensionless constant of the physical world, it is impossible to state in one article all aspects of this theory.</p> <p>The article is quite voluminous and according to the reviewer's opinion should be reduced ("The paper must be reduced or resumed and certain sections must be eliminated").</p> <p>The authors would like to draw reviewer's attention to the following features of this article:</p> <ol style="list-style-type: none"> <li>1. The source for the new theory of the fine structure constant is not a classical theoretical physics, but the new mathematical theory - the mathematics of harmony, set out in the fundamental Stakhov's book «The Mathematics of</li> </ol>



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	<p>produce accelerated expansion that increase in the time related with the torsion.</p> <p>The inclusion of the Wikipedia as reference is unacceptable.</p> <p>The paper must to use Theorems and consolidated results studied in field theory obtained in Mathematical Physics.</p> <p>The numerical data are in much cases uncertainly.</p> <p>The format and writing quality is not the required by PSIJ.</p> <p>The authors not take the considerations on fermion and tachyon spaces and their relevant roll in the charge of the particles.</p>	<p>Harmony" (World Scientific, 2009).</p> <p>2. In particular, the Fibonacci special theory of relativity, which is based on one of the fundamental results of mathematics of harmony, the "golden" matrices, based on the "golden ratio," underlies a new theory of the fine-structure constant</p> <p>3. The authors are well aware that this article is just the beginning of new revolutionary ideas and theories, which are derived from a new approach to the fine structure constant.</p> <p>4. The first fundamental problem is studying temporal variation of other physical constants, directly related to the fine structure constant (in the course of evolution of the universe)</p> <p>5. In conclusion, the authors would like to express big gratitude to the reviewer for very helpful comments, which will be considered as a plan for future studies of applications of the new theory of the fine structure constant.</p>
<b><u>Minor</u></b> REVISION comments		
<b><u>Optional/General</u></b> comments		