



SDI Review Form 1.6

Journal Name:	Physical Science International Journal
Manuscript Number:	Ms_PSIJ_19235
Title of the Manuscript:	Distributional SAdS BH spacetime-induced vacuum dominance
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:

(<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 <i>(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)</i>
Compulsory REVISION comments	<p>This paper is addressed to the regularization of singularities present in some solutions of the Einstein equations and the vacuum energy of a free scalar field. In my opinion the manuscript can be published after some major revision. I suggest to the author(s) the following:</p> <ol style="list-style-type: none"> 1) A better organization of the paper, in which the introductory section describes the problem that will be considered in the text, the previous attempts to find an answer or a solution and what is the contribution given in the present work 2) In order to facilitate the reading, some obvious algebra in equations should be shortened (the details could be presented in an appendix) 3) The conclusions and results of this paper should be better emphasized 4) The language style is not adequate and should be revised as well as the many grammar errors present in the text. <p>A specific point: In section 1.2.4 the author considers the "singularity of the horizon" in a Schwarzschild metric stating that it "is not merely a coordinate singularity" as commonly accepted. I recall to the author that a radially free-falling observer</p>	



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	dropping from rest falls into the central singularity ($r=0$) in a finite proper time (no problem to cross the horizon). Moreover, the tensor curvature components are all regular at the horizon. Thus, if the author considers that the horizon represents a true singularity, he/she must give convincing arguments for this.	
Minor REVISION comments		
Optional/General comments		

Reviewer Details:

Name:	José Antonio de Freitas Pacheco
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