



SDI Review Form 1.6

Journal Name:	Physical Science International Journal
Manuscript Number:	2014_PSIJ_14201
Title of the Manuscript:	A natural solution to the dark energy problem
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.

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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	This paper requires substantial revision before further consideration. The authors reconstructed the scale factor and this way they can reconstruct Hubble parameter. Subsequently they must study the EoS parameter and must examine whether their model can cross phantom boundary. Moreover, statefinder parameters must be studied to see whether an interpolation between dust and Λ CDM is possible or not.	In my paper, the pressure from tachyonic component is not negative. Therefore it is not necessary to consider the phantom boundary. Also, the calculations of statefinder parameters are not useful here. In this paper, we test this model with the observational data of Hubble parameter. Since the statefinder parameter depends strongly on the variation of Hubble parameters and our result agrees with the data, the test of the statefinder parameters must also be satisfied. Moreover, the statefinder parameter depends on the total matter density. However, some of the matter density in our universe is assumed to be an imaginary value. It is necessary to define a new statefinder parameter in order to match our model. This would make the test of the statefinder parameter arbitrary.
<u>Minor</u> REVISION comments	English needs check.	Done.
<u>Optional/General</u> comments		