



SDI FINAL EVALUATION FORM 1.1

PART 1:

Journal Name:	<a href="#">Physical Science International Journal</a>
Manuscript Number:	Ms_PSIJ_24990
Title of the Manuscript:	Kaluza-Klein Bouncing Cosmological Model in General Relativity
Type of Article	Original research paper

PART 2:

FINAL EVALUATOR'S comments on revised paper (if any)	Authors' response to final evaluator's comments
<p>Only comments are:</p> <p><b>Review of: Bouncing Behavior of Kaluza-Klein Cosmological Model in General Relativity</b></p> <p><b>Abstract:</b> Scheerer R. J. should be: R. J. Scheerer. <i>for energy-momentum tensor is a perfect fluid</i> should be: <i>for energy-momentum tensor is assumed a perfect fluid.</i> What is the reason for this effort? What are the conclusions and what is the bottomline?</p> <p>For example: based upon recent cosmological observations in terms of Supernovae Ia, large scale structure, cosmic microwave background radiations, and other effects, there is a need to...</p> <p><b>quintom matter... is this correct spelling?</b> 70: where <math>A(t)</math> and <math>B(t)</math> are functions of cosmic time <math>t</math>, and the fifth coordinate <math>\psi</math> is taken to be space-like. 103: <b>expansion</b> (<math>\theta</math>) <b>is proportional to shear</b> (<math>\sigma</math>), <b>where are these used?</b> <b>Not obvious..</b> It is not clear where equation 16 interacts with either A or B? This should be shown.</p> <p>117: What is this ratio? Why is it important?</p> <p>155: what is 'spatial volume'?</p> <p>Axis on the graphs needs to be shown...</p>	<p>1. Scheerer R. J. in the Abstarct is replaced by Cai et al.</p> <p>2. "for energy-momentum tensor is a perfect fluid" is replaced by "for energy-momentum tensor is assumed a perfect fluid"</p> <p>3. quintom matter..... is the correct spelling.</p> <p>4. It is clarified that theta is proportional to sigma. It is in the hidden part of the paper. Each and every part of calculation is not necessarily presented in the paper. The latter calculations on line no. 108 are because of theta is proportional to sigma.</p> <p>5. It is clarified that (16) interacts with A or B. The average scale factor is <math>R^4 = (A^3 B)</math></p> <p>(Ref. on line no. 136)</p> <p>6. "Spatial volume" is the Cosmological Parameter defined in Cosmology. It is mentioned on line no. 92 that <math>R^4 = V = A^3 B</math>.</p> <p>7. The graphs are reinserted in the paper.</p>