



SDI Review Form 1.6

Journal Name:	Physical Science International Journal
Manuscript Number:	Ms_PSIJ_50917
Title of the Manuscript:	Is There a Relationship between Energy, Amount of Information and Temperature?
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 (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	<p>This paper discusses the relationship between energy, amount of information and temperature from the physics perspective. The generally accepted formulas are used to link energy, temperature, and information. Moreover, a practical numerical value of the energy of any specific object based on the amount of information and the thermodynamic temperature is introduced. The result shows that the energy content of an object depends not only on its mass and speed but also its size and the ambient temperature. Overall, the content of the paper gives a contribution to the topic concerned. However, the presentation of the paper shall be further improved. Some comments are given as follow.</p> <ol style="list-style-type: none"> 1. Please mention equations in the text in a consistent way. Use Equation (number) for starting a sentence, and use (number) in the sentence. 2. Notations and symbols shall be written in the <i>italic</i> form. 3. In Section 2, the term "the author" is mentioned so often. It is suggested to mention the name of the corresponding author. 4. In Page 3, what is the term "WMAP" stand for? Please define. 5. In Page 3, see "is entropy connected with extensive information or extensive?" what does this question mean? Why has "extensive information or extensive"? Is it lost a word? 6. In Page 3, see "a calm superfluid fluid without viscosity," why has the term "superfluid fluid"? Please check. 7. In Page 4, see "where θ is the temperature in kelvins of the", it shall be written as "where θ is the temperature in Kelvins of the". 8. In Page 4, refer to Eq. (5), see "cover this system, m' is the mass arising in that", it shall be "m^*" instead of "m". 9. In Page 5, see "The reader ...", it is better not writing "The reader..." in the sentence, please rewrite the sentence. 10. The conclusion is too long. Could it be simplified? 	<ol style="list-style-type: none"> 1. The comment is fully accepted. The necessary corrections are made to the text. 2. The comment is fully accepted. The necessary corrections are made to the text. 3. The comment is fully accepted. The necessary corrections are made to the text. 4. The comment is fully accepted. The necessary corrections are made to the text. 5. The comment is fully accepted. The necessary corrections are made to the text. 6. The comment is fully accepted. The necessary corrections are made to the text. 7. The comment is fully accepted. The necessary corrections are made to the text. 8. The comment is fully accepted. The necessary corrections are made to the text. 9. The comment is fully accepted. The necessary corrections are made to the text. 10. The comment is fully accepted. The necessary corrections are made to the text.
Minor REVISION comments		Very well written and documented.
Optional/General comments		

PART 2:

	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)



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<p>Are there ethical issues in this manuscript?</p>	<p><i>(If yes, Kindly please write down the ethical issues here in details)</i></p>	<ol style="list-style-type: none">1. I, the alone corresponding author, am authorized to submit this manuscript.2. Submission of the manuscript represent that the manuscript has not been published previously and is not considered for publication elsewhere.3. The manuscript, or any part thereof, is in no way a violation of any existing original or derivative copyright.4. The manuscript contains nothing obscene, indecent, objectionable or libelous.
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