



SDI Review Form 1.6

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| Journal Name: | Physical Science International Journal |
| Manuscript Number: | Ms_PSIJ_41666 |
| Title of the Manuscript: | Entropy Is the Sum of Heat Capacities |
| Type of the Article | Short Communication |

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>)

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) |
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| Compulsory REVISION comments | <p>The manuscript presents a discussion around the concept of Entropy and its relation with heat capacity. In fact, both quantities share the same unit, but this does not mean they are the same quantity. In fact, Entropy and heat capacity are completely different quantities, and the author finds a relation between them just by including a weird variation of temperature with respect to absolute zero, and analysing special process where a relation can be written involving Entropy and heat capacity. They are not general, however.</p> <p>The manuscript is not clearly written, and the objective of the present work is never clearly stated. If the author intend to show that Entropy and heat capacity are equivalent, it is wrong, otherwise it is obscure.</p> <p>It induces incautious readers to the wrong conclusion.</p> | <p>I do not state that entropy and heat capacity are equivalent.</p> <p>My paper is not a proof but a hypothesis. It is experimentally confirmed by 77 substances, its applicability to other substances is the subject of future papers.</p> <p>I do not agree that the objective of the present work is never clearly stated. I wrote in the Introduction: "In this paper, an effort is made to explain what entropy is."</p> <p>I made some additions to my paper highlighted yellow.</p> |
| Minor REVISION comments | | |
| Optional/General comments | | |