

### **Editor's Comment:**

The revised manuscript and response to the reviewer report(s) for your Paper are now complete. However, the revised manuscript needs changes before Physical Science International Journal can consider your work further.

You can find the Editorial report below attached to this message.

### **EDITORIAL REPORT:**

When revising the manuscript, please ensure all figures are of a higher quality.

1. Manuscript Title: Delete dot at the end the Title.
2. Check the correctness of the sentence ..... thermal stratification due to heat transfer only by conduction which does not generate any convective flow. . . in the abstract.
3. Key words: Natural convection/square cavity/convection-radiation coupling/numerical simulation  
Modify as Natural convection, Square cavity, Convection-radiation coupling, Numerical simulation
4. In introduction: - Wang and al revise as Wang et al. Similarly, all citations in the running text.
5. Check the correctness of the sentence: The differentially heated cavity is filled with air ( $Pr=0.71$ ) and the emissivities of the walls vary from 0 to 0.6.
6. Check font type and size of all authors in the running text. Avoid initials of the authors in the introduction
7. Why this study and novelty- please include a paragraph in the last section of the introduction.
8. Reviews mentioned i) Language quality seems not up to the mark, need to check it again and work; accordingly, ii) Apart from above mentioned points, few sections are aligned left and few are aligned centre (Ref: section Physical model). For heading Reference fonts are not uniform. R is bigger. Some subsections are bold while few are not. I didn't see these points are not considered in the revision of the manuscript.
9. Check the guidelines of the journal to be followed for formatting the references.

**Editor's Details:**

Dr. Bheemappa Suresha  
Professor, The National Institute of Engg, Mysore, India.