EOC Paper Review

Reviewer: Ishan Sharma

Date: 6th December 2020

Paper Title: DESIGN OPTIMIZATION OF A COOLING SYSTEM FOR USER COMFORT AND MINIMAL TEMPERATURE IN A COMPUTER

Paper Profile (Pick one rating for each question):

Poor - Not very convincing. The work has serious flaws and limitations.
Fair - The work is okay, but not very demonstrative of the material in the class.
Marginal - The work is okay. Met the basic requirements for the project.
Good - The work is acceptable. The basic requirements were met and exceeded in a few areas.
Excellent - The work was outstanding. Met or exceeded virtually every expectation.
Honors - Wow, I'm really impressed. This is professional work like I'd expect at a conference.

Originality	*Honors*
Engineering Relevance	*Excellent*
Scientific Relevance	*Excellent*
Completeness	*Good*
Acknowledgement of the Work of Others	*Honors*
Organization	*Honors*
Clarity of Writing	*Good*

Technical Evaluation (Answer Yes or No to each question):

In your opinion, is the paper technically correct and free of errors?	*Yes*
Have you checked the equations?	*Yes*
Does the paper meet the format guidelines?	*Yes*
Is the writing suitable for a technical publication?	*Yes*
Is the paper too long?	*Yes*

Paper Recommendation (Answer Yes or No):

Should the technical content of the paper be revised?	*No*
Should the writing of the paper be revised?	*No*
Should the paper be submitted to a conference?	*Yes*

Please provide additional comments below (Add additional pages as needed):

- I *couldn't find any references for statistical analysis based on the user requirements*.
- In my opinion, the current mathematical model can be eased off. The current one looks comprehensive but looks complicated. Mathematically, the formulation can be made more robust. Nevertheless, the present formulation is also quite good.
- The paper's title can be written in sentence case!
- There is scope to make the paper concise and short.
- YES, I agree to a point sensitivity analysis will add more flexibility, it will eventually lead to a feasible solution. This thing should be added in the next revision of the paper.

- In my opinion, the process parameter should be enlisted before the results section. Results section should specifically talk about the optimal solutions to the above problem.
- Also, if you could just provide more rationality to use Particle Swarm specifically over other available algorithms, it will make the case firmer & stronger.