

Review of: "Numerical Study of Thermal Performance on Fin and Tube Heat Exchanger with Flat Rectangular and Sinusoidal Winglet Vortex Generators"

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Potential competing interests: No potential competing interests to declare.

The authors have numerically investigated the heat transfer characteristics and finally quantified them through the Nusselt number. The following are the concerns to be addressed.

1. The governing differential equations are not completely described or mentioned.
2. Usually, such types of flows are highly turbulent. I am surprised not to find any turbulence equations in the manuscript.
3. What is the justification for using a particular type of turbulence model as mentioned in the text?
4. The results, discussion, and conclusions are obvious. What is the novelty of this work, and how is this work different from other work? If so, is there any improvement in the heat transfer rate?
5. The physical insight should be incorporated while discussing the results. Only contour plots may not be sufficient.
6. Based on the above facts, I would like to revise the paper thoroughly with due importance given to grammar and physical insights.
7. Final recommendation: "major revision."