

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.

This paper presents a numerical study of the thermal performance of fin and tube heat exchangers with flat rectangular and sinusoidal winglet vortex generators. Overall, it is not easy to find the originality, and the scientific investigation is not stated properly. The following are comments for further improvement.

1. The abstract should be well organized; the main novelty, methodology, objective, significance, and results of the study should be clearly clarified. The novelty and significance of this study are not quite clearly described in the abstract.
2. Given the nature of the work, please reinforce your introduction with the most recent and valuable papers.
3. The author should present the originality and purpose of this study in more detail in the introduction part.
4. The description of the numerical model should be more detailed. For example, the discretization scheme and the convergence criteria for each governing equation should be given.
5. The operating conditions or simulation conditions are not clear. Thus, the author should present those in the revised paper.
6. In the section on model validation, the comparisons of the working conditions for the numerical model and the experiment should be given.
7. Add some validation data.
8. The independent studies for the grid number and the time step should be given.
9. The conclusion needs to be further concise. The quantitative research results need to be given.