

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 numerically investigated the thermal performance of a fin and tube heat exchanger with flat rectangular and sinusoidal winglet vortex generators. There are significant deficiencies in the paper. My comments are below:

- The abstract section is written superficially. The method of the study, the parameters studied, and the important findings of the study should be shared.
- The introduction should be written in a way that emphasizes the importance of the study. A more comprehensive literature review is needed. The Introduction section should be expanded with current studies.
- The novelty of the study should be stated in the last paragraph of the introduction. Many studies have been conducted on this subject so far. It should be clearly stated which gap in the literature the presented study fills.
- The geometry of the numerical model should be given in more detail in Figure 1.
- Equations for k- ϵ turbulence parameters should be given in the governing equations.
- The mesh structure of the numerical model must be given.
- Boundary conditions should be clearly stated.
- The mathematical aspect of the study is not mentioned at all. The mathematical model should be given with equations.
- Only contour images of velocity and pressure fields are given. The temperature contour image should also be included.
- Contour images should be presented more carefully. Physical interpretations of these images should be given.
- The study needs to be validated by comparison with previous studies.
- The findings obtained are insufficient.
- There are spelling and grammatical errors in the paper.