

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.

In the present study, the numerical models of rectangular and sinusoidal vortex generators are constructed to establish their performance on flow structure, pressure distribution, temperature distribution, friction factor (f), and overall thermal performance factor (j/f). Here's the Reviewer's comments:

- The abstract and introduction are unclear about the aims and objectives of this study.
- How did you justify the choice of this Reynolds number range, from 400 to 1100?
- The abstract must be detailed with some outcomes and conclusions.
- Justify the necessity of a turbulence model if the Reynolds number is low.
- The article should be validated by existing reference results similar to the geometry considered.
- Add the nomenclature table.
- The practical application of a heat exchanger of this type clearly needs to be added to the manuscript.
- Dimensionless quantities must be given to ensure the accuracy of the basic equations.
- Explain the independence of the grid from Figure 3. What is the difference in numerical values?