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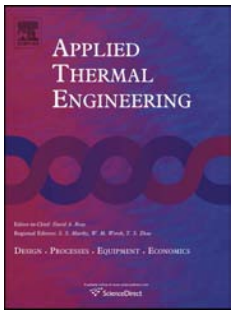

Optimal design of plate-fin heat exchangers by a Bees Algorithm

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HIGHLIGHTS

- We analyzed a plate-fin heat exchanger with offset strip fins.
- This is the first application of a Bees Algorithm for plate-fin heat exchanger design.
- Preliminarily design and effectiveness of PFHE was improved by minimizing the entropy generation units.
- The results show the superiority of this method over GA, PSO and ICA and preliminary design.

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