## **Accepted Manuscript**

Experimental investigation of the heat transfer coefficient during convective boiling of R134a in tubes with twisted tape insert

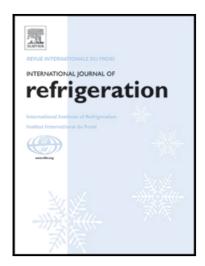
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#### ACCEPTED MANUSCRIPT

### Highlights

- Heat transfer coefficient results for horizontal flow in tubes with twisted tape inserts.
- Flow pattern results for horizontal flow in tubes with twisted tape inserts.
- Predictive method for heat transfer coefficient in nucleate boiling with twisted tape insert.
- Heat transfer coefficient predictive method for  $G \ge 400 \text{ kg/m}^2\text{s}$ .



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