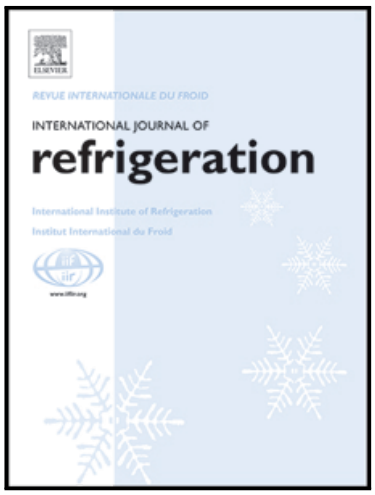

Research on the refrigerant column height in the downcomer of a two-phase loop thermosyphon

Hanwen Cao , Tao Ding , Zhiguang He , Zhen Li

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Highlights

- The role of the refrigerant column in domwcomer of TPLT system is studied.
- The influencing factors on refrigerant column height are investigated.
- The performance of TPLT will decline when refrigerant column exceeds condenser.
- The column height should be considered when designing a TPLT system.