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Experimental investigation on ethane pulsating heat pipe based on Stirling cooler

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Highlights

- An experimental system of ethane pulsating heat pipe (EHP) was built.
- The effects of FRs, IAs and HIs on the performance of EHP were investigated.
- The heat transfer characteristics of EHP with 30% FR were studied.
- The performances of EHP under anti-gravity condition were tested.

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