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The transient response, oscillation and internal flow of a loop thermosyphon with dual evaporators

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Highlights

- The transient characteristic of a loop thermosyphon with dual evaporators is studied.
- The internal flow and interaction between the evaporators are observed and analyzed.
- Under uniform heating, oscillation is more obvious when heating power is higher.
- When the heating power of one evaporator is higher, bypass flow occurs periodically.
- Oscillation and periodical bypass flow are due to conflict between the evaporators.

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