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Correlation of heat transfer coefficient for two-component two-phase slug flow in a vertical pipe

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Highlight

- Heat transfer correlations of two-component two-phase flow in pipes were reviewed.
- Heat transfer data of two-component two-phase flow in pipes were reviewed.
- None of existing correlations could predict collected databases successfully.
- The dependence of heat transfer coefficient on flow parameters was explained.
- A heat transfer correlation was developed for two-component two-phase flow.

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