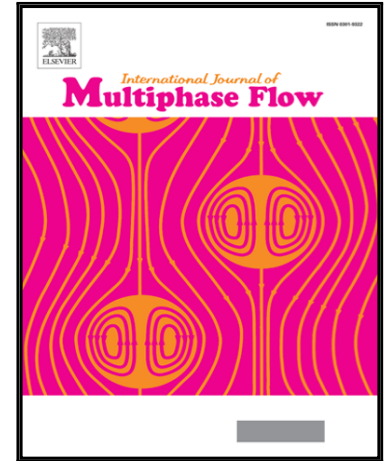


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Fast recognition of global flow regime in pipeline-riser system by spatial correlation of differential pressures

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Highlights

- Method on basis of relatively clear and intuitive physical meaning.
- Avoidance of PSD or more complex feature extraction and feature reduction.
- Recommendation of minimum sample length for regime recognition.
- Effect of feature distribution on sensitivity to test sample length.
- 75% to 92% reduction in recognition time.

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