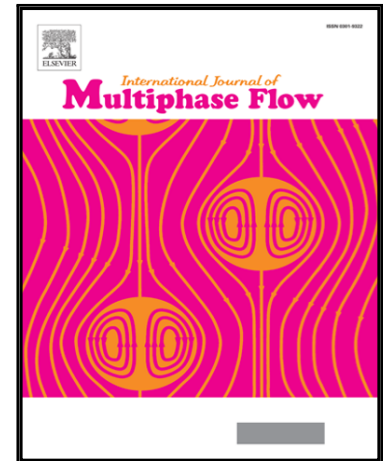


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Large Eddy Simulation and Euler-Lagrangian Coupling investigation of the transient cavitating turbulent flow around a twisted hydrofoil

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Highlights

- Cavitation around a twisted hydrofoil is simulated by LES.
- Cavitating vortical flow is analyzed by Euler-Lagrangian viewpoints.
- Five groups of LCSs due to sheet/cloud cavitation transition are identified and discussed.
- The relationship between velocity circulation and cavitation shedding dynamics is discussed

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