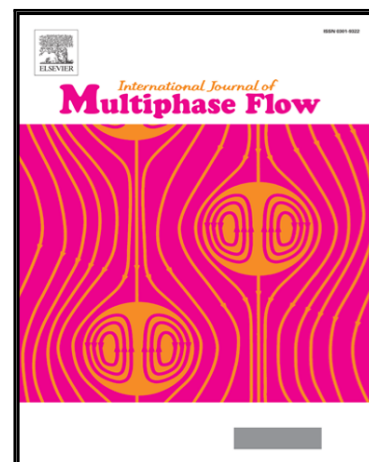


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Accumulation of heavy particles in a circular bounded vortex flow:  
Parameter influence and comparison

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**Highlights**

- Accumulation of heavy particles in a circular vortex flow has been investigated.
- Effects of several key operating parameters are systematically explored.
- Both one-way and two-way couplings are considered and compared with each other.
- As Stokes number enhances, more particles will accumulate on the wall.
- The location of the rotating cylinder has a significant impact on the results.

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