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Bubble impingement in the presence of a solid particle: a computational study

Andrea Sannino, Alessandro Esposito, Massimiliano M. Villone, Martien A. Hulsen, Gaetano D'Avino

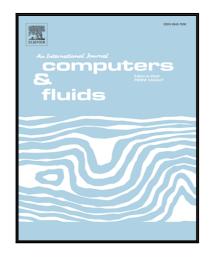
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Highlights

- The impingement of two gas bubbles in a Newtonian liquid is studied numerically.
- The presence of a solid spherical particle is considered.
- The solid particle can be "captured" by the coalescing bubbles or "escape" them.
- A parametric study is performed on the physical and geometrical conditions.

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