

## Numerical Simulation Using Lattice Boltzmann Technique for Mass Transfer Characteristics in Liquid Jet Ejector

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**Abstract :** The performance of jet ejector was studied in detail by different authors. Several authors have studied mass transfer characteristics like interfacial area, mass transfer coefficients etc. In this paper, we have made an attempt to develop PDE model by considering bubble properties and apply Lattice-Boltzmann technique for PDE model. We may present the results for the interfacial area which we have obtained from our numerical simulation. Later the results are compared with previous work.

**Keywords :** jet ejector, mass transfer characteristics, numerical simulation, Lattice-Boltzmann technique

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