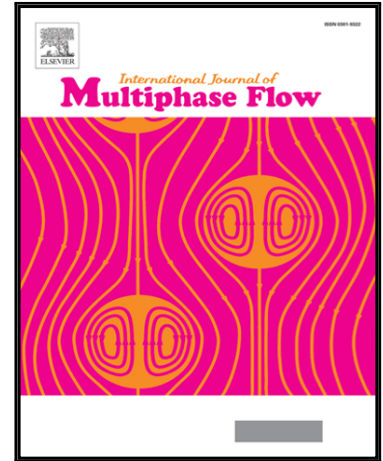


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Experimental study on bubble departure characteristics in subcooled nucleate pool boiling

Parul Goel , Arun K. Nayak , Parimal P. Kulkarni ,  
Jyeshtharaj B. Joshi

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**Highlights**

1. Experiments of subcooled nucleate pool boiling.
2. Observation of vapor bubble departure diameter ( $D$ ) and frequency ( $f$ ) under subcooled conditions.
3. Parametric study of  $D$  and  $f$  with wall superheat and liquid subcooling.
4. Parametric study of  $D$  and  $f$  with heater geometry, surface roughness and inclination angle.

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