

THE STUDY OF ICE FORMATION OUTSIDE A FLAT WALL

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ABSTRACT

The substances solidification issue, seen through the temperature field in solid and liquid phases calculation and through the solid-liquid interface propagation, presents a special interest (from the theoretical and practical points of view), as the conductive transfer processes together with the phase transition phenomenon are present in numerous applications, such as the ingots solidification, the controlled alloys solidification in order to obtain a certain metallographic structure, food freezing, soil freezing and de-freezing, ablation phenomenon to aerodynamic heating, phase change thermal storage, etc.

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