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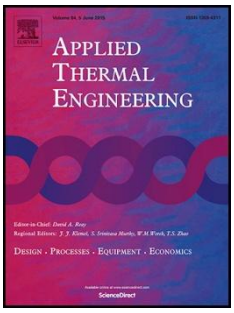

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Numerical and Experimental Modelling of Two-Dimensional Unsteady Heat Transfer during Inward Solidification of Square Billets

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HIGHLIGHTS

- A computational/experimental approach analyzed the heat transfer in a square billet
- The approach can be used for thermal parameters/microstructure correlations
- The cooling rate, initially high decreases up to a reversion point and increases again
- The cell size has an inverse trend: lowest>maximum in reversion point> decreasing again