

## Accepted Manuscript

Towards a “moving-point” formulation for the modelling of oscillation-mark formation in the continuous casting of steel

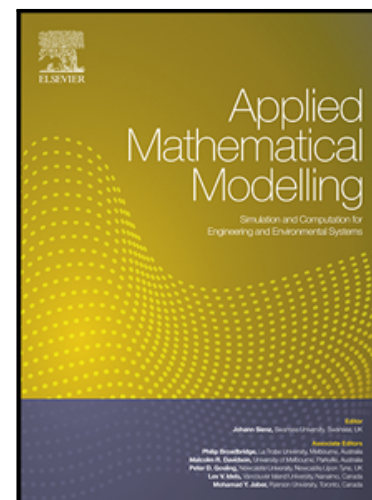
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**Highlights**

- Derivation of a novel moving-point formulation for a model of oscillation-mark formation in the continuous casting of steel
- Asymptotic analysis and systematic reduction of the model
- Arbitrary Lagrangian Eulerian method for tracking the motion of the molten steel-molten flux interface
- Method implemented in Comsol Multiphysics

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