



# Thermocapillary Convection in Models of Crystal Growth (Springer Tracts in Modern Physics)

*Hendrik C. Kuhlmann*

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## **Thermocapillary Convection in Models of Crystal Growth (Springer Tracts in Modern Physics)**

Hendrik C. Kuhlmann

This critical overview describes fluid flow driven by the thermocapillary effect in models of crystal growth. Simple models are the floating-zone technique and the open-boat technique.

Basic equations, boundary layer scaling, stability analysis, pattern formation and additional buoyancy are discussed. Particular emphasis is given to the understanding of the physics of flow. This reference book gives a state-of-the-art report and reviews the literature available.

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