# Numerical methods for thermal problems

# John Wiley - Numerical Methods for Phase



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However, this area has attracted considerable interest during the last 40 years. We solve the problem of integral equation by a fixed point iteration method.

# Two numerical methods for solving a backward heat conduction problem

At this point the accuracy behaviour oscillates more. The methodology is based on the volume averaging technique with the assumption that the phases may coexist at a temperature different from that of fusion.

#### **Numerical Methods Applied to Chemical Engineering**

This could be explained due to the use of more information by the finite volume method to compute each temperature value than the finite differences method. We introduce a central difference method and a quasi-reversibility method for solving a backward heat conduction problem BHCP numerically.

## Numerical methods in phase

Moreover, the closure equations used in the present model are not satisfactory, since the turbulence anisotropy and the particle influence on the fluid phase turbulent Prandtl number are not yet taken into account.

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