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Analysis and Optimal Control of Phase-Field Transition System Fractional Steps Methods

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About the eBook

This eBook presents methods related to existence, uniqueness and regularity of solution, fractional steps, analysis of some boundary optimal control problems governed by phase-field transition system, conceptual algorithms to compute the approximate solution and boundary control. This volume should be a valuable reference for software engineers interested in modeling and simulation of phase transition processes.

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- Preliminaries
- Approximation of The Phase Field Transition System
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- Program Listings and Numerical Results

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