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Analytical Solutions for Convection-Reaction Equations with Variable Retardation Factors -- 5.2. Calculating the Analytical Solution of Mass -- Iterative Methods and Multigrid Methods -- 6.1. Introduction -- 6.2. Linear Algebra -- 6.3. Linear Iterative Method -- 6.4. Introduction to Multigrid Methods -- Software Package r3t -- 7.1. Introduction -- 7.2. Rough Structuring of the Software Packages -- 7.3. UG Software Toolbox -- 7.4. Software Package d3f -- 7.5. Software Package r3t -- Model Problems -- 8.1. Introduction for Model Problems -- 8.2. Error Norms and Orders of Convergence to Evaluate Numerical Results -- 8.3. One-Dimensional Model Problems for Linear Equilibrium-Sorption. 8.4. Two-Dimensional Model Problem for Linear Equilibrium-Sorption -- 8.5. Realistic Model for a Potential Damage Event -- Outlook -- 9.1. Conclusion and Outlook -- Appendix A Properties, Transformable Functions, and Partial Fraction Expansion of the Laplace Transformation -- Appendix B General Solutions for Ordinary Differential Equations -- References -- Index.
