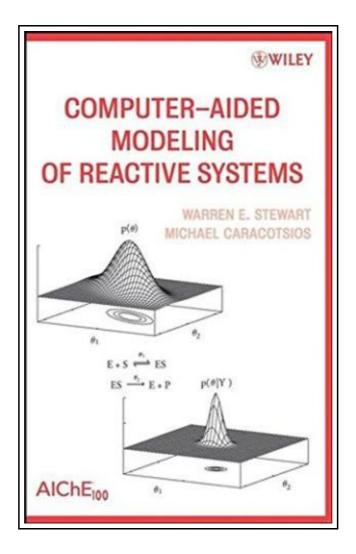
Computer-Aided Modeling of Reactive Systems



Filesize: 3.13 MB

Reviews

Undoubtedly, this is the greatest job by any author. It is actually filled with wisdom and knowledge I am quickly could get a pleasure of reading a written book.

(Kade Ankunding)

COMPUTER-AIDED MODELING OF REACTIVE SYSTEMS



To read **Computer-Aided Modeling of Reactive Systems** PDF, you should follow the button below and save the file or gain access to other information which are related to COMPUTER-AIDED MODELING OF REACTIVE SYSTEMS ebook.

Wiley-AIChE, 2008. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: Chapter 1. Overview. References. Chapter 2. Chemical Reaction Models. 2.1 Stoichiometry of Reaction Schemes. 2.2 Computability of Reaction Rates from Data. 2.3 Equilibria of Chemical Reactions. 2.4 Kinetics of Elementary Steps. 2.5 Properties of Reaction Networks. 2.6 Evidence for Reaction Steps. References. Chapter 3. Chemical Reactor Models. 3.1 Macroscopic Conservation Equations. 3.2 Heat and Mass Transfer in Fixed Beds. 3.3 Interfacial States in Fixed-Bed Reactors. 3.4 Material Transport in Porous Catalysts. 3.4.1 Material Transport in a Cylindrical Pore Segment. 3.4.2 Material Transport in a Pore Network. 3.4.3 Working Models of Flow and Diffusion an Isotropic Media. 3.4.4 Discussion. 3.4.5 Transport and Reaction in Porous Catalysts. 3.5 Gas Properties at Low Pressures. 3.6 Notation. References. Chapter 4. Introduction to Probability and Statistics. 4.1 Strategy of Data-Based Investigation. 4.2 Basic Concepts in Probability Theory. 4.3 Distributions of Sums of Random Variables. 4.4 Multiresponse Normal Error Distributions. 4.5 Statistical Inference and Criticism. References. Chapter 5. Introduction to Bayesian Estimation. 5.1 The Theorem. 5.2 Bayesian Estimation with Informative Priors. 5.3 Introduction to Noninformative Priors. 5.4 Jeffreys' Prior for One-Parameter Models. 5.5 Jeffreys' Prior for Multiparameter Models. 5.6 Summary, References, Chapter 6. Process Modeling With Single-Response Data. 6.1 The Objective Function S(_). 6.2 Weighting and Observation Forms98. 6.3 Parametric Sensitivities; Normal Equations. 6.4 Constrained Minimization Of S(_). 6.4.1 The Quadratic Programming Algorithm GRQP. 6.4.2 The Line Search Algorithm GRS1. 6.4.3 Final Expansions Around b_. 6.5 Testing the Residuals. 106. 6.6 Inferences from the Posterior Density. 6.6.1 Inferences for the Parameters. 6.6.2 Inferences for Predicted Functions. 6.6.3 Discrimination of Rival Models by Posterior Probability. 6.7 Sequential Planning Of Experiments. 6.7.1 Planning For Parameter Estimation. 6.7.2 Planning For Auxiliary Function Estimation. 6.7.3 Planning For Model Discrimination. 6.7.4 Combined Discrimination and Estimation....

- Read Computer-Aided Modeling of Reactive Systems Online
- Download PDF Computer-Aided Modeling of Reactive Systems

You May Also Like



[PDF] Grandpa Spanielson's Chicken Pox Stories: Story #1: The Octopus (I Can Read Book 2)

Click the web link under to download and read "Grandpa Spanielson's Chicken Pox Stories: Story #1: The Octopus (I Can Read Book 2)" document.

Save PDF »



[PDF] The Web Collection Revealed, Premium Edition: Adobe Dreamweaver CS6, Flash CS6, and Photoshop CS6 (Stay Current with Adobe Creative Cloud)

Click the web link under to download and read "The Web Collection Revealed, Premium Edition: Adobe Dreamweaver CS6, Flash CS6, and Photoshop CS6 (Stay Current with Adobe Creative Cloud)" document.

Save PDF »



[PDF] Star Flights Bedtime Spaceship: Journey Through Space While Drifting Off to Sleep

Click the web link under to download and read "Star Flights Bedtime Spaceship: Journey Through Space While Drifting Off to Sleep" document.

Save PDF »



[PDF] Maisy's Christmas Tree

Click the web link under to download and read "Maisy's Christmas Tree" document.

Save PDF »



[PDF] The Clever Detective Boxed Set (a Fairy Tale Romance): Stories 1, 2 and 3 (Paperback)

Click the web link under to download and read "The Clever Detective Boxed Set (a Fairy Tale Romance): Stories 1, 2 and 3 (Paperback)" document.

Save PDF »



[PDF] Sarah's New World: The Mayflower Adventure 1620 (Sisters in Time Series 1)

Click the web link under to download and read "Sarah's New World: The Mayflower Adventure 1620 (Sisters in Time Series 1)" document.

Save PDF »