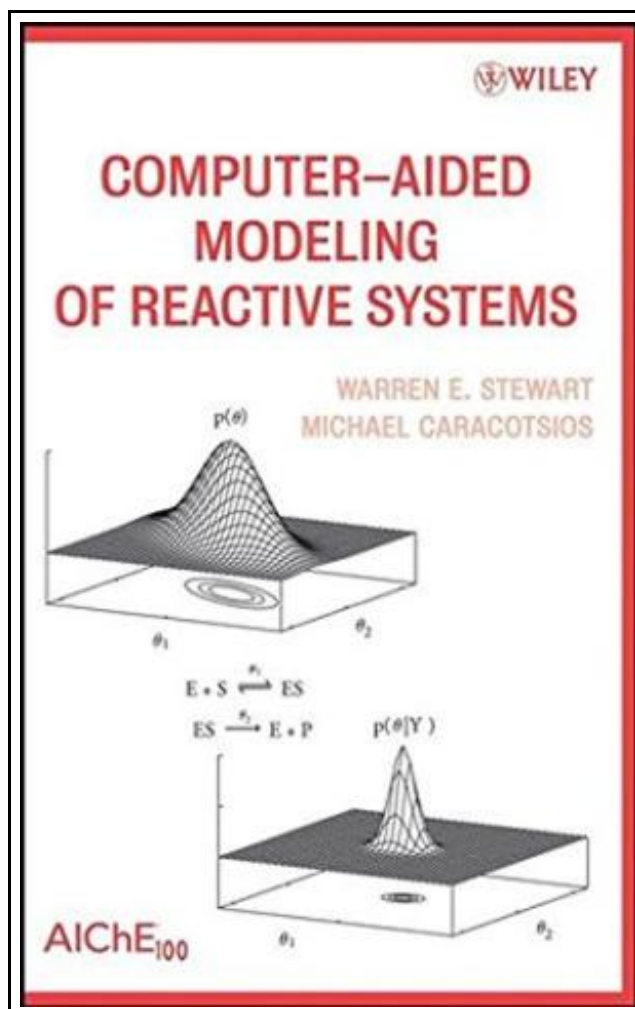


Computer-Aided Modeling of Reactive Systems



Filesize: 7.79 MB

Reviews

*Merely no words and phrases to describe. I really could comprehend almost everything using this created e pdf. Your daily life period will be change once you full reading this ebook.
(Mr. Ladarius Stoltenberg)*

COMPUTER-AIDED MODELING OF REACTIVE SYSTEMS



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



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

HarperCollins, 2005. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: Foreword by Raph Koster. Introduction. I. EXECUTIVE CONSIDERATIONS. 1. The Market. Do We Enter the Market? Basic Considerations. How...

[Save eBook »](#)



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

Cengage Learning, 2012. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: You can now maximize and integrate the design and development power of Adobe Creative Suite 6 with WEB...

[Save eBook »](#)



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

CreateSpace Independent Publishing Platform, 2013. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: "Star Flights Bedtime Spaceship" is a charming and fun story with the purpose to help children...

[Save eBook »](#)



Maisy's Christmas Tree

Candlewick, 2014. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: The final scene of the gang caroling around the tree, complete with paper crowns from British Christmas crackers, is...

[Save eBook »](#)



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

Createspace, United States, 2012. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.After six years as a private investigator, Stacey Alexander has the strangest day...

[Save eBook »](#)