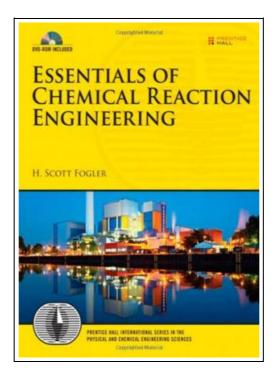
# Essentials of Chemical Reaction Engineering (Mixed media product)



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# Reviews

A top quality ebook and also the font employed was interesting to read. This is for those who statte there was not a worth studying. Your life span will probably be enhance when you total looking at this ebook. (Billy Christiansen)

## ESSENTIALS OF CHEMICAL REACTION ENGINEERING (MIXED MEDIA PRODUCT)



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Pearson Education (US), United States, 2010. Mixed media product. Book Condition: New. United States ed. 257 x 208 mm. Language: English . Brand New Book. Learn Chemical Reaction Engineering through Reasoning, Not Memorization Essentials of Chemical Reaction Engineering is the complete, modern introduction to chemical reaction engineering for today s undergraduate students. Starting from the strengths of his classic Elements of Chemical Reaction Engineering, Fourth Edition, in this volume H. Scott Fogler added new material and distilled the essentials for undergraduate students. Fogler s unique way of presenting the material helps students gain a deep, intuitive understanding of the field s essentials through reasoning, using a CRE algorithm, not memorization. He especially focuses on important new energy and safety issues, ranging from solar and biomass applications to the avoidance of runaway reactions. Thoroughly classroom tested, this text reflects feedback from hundreds of students at the University of Michigan and other leading universities. It also provides new resources to help students discover how reactors behave in diverse situations-including many realistic, interactive simulations on DVD-ROM. New Coverage Includes \* Greater emphasis on safety: following the recommendations of the\* Chemical Safety Board (CSB), discussion of crucial safety topics, including ammonium nitrate CSTR explosions, case studies of the nitroaniline explosion, and the T2 Laboratories batch reactor runaway\* Solar energy conversions: chemical, thermal, and catalytic water spilling\* Algae production for biomass\* Steady-state nonisothermal reactor design: flow reactors with heat exchange\* Unsteady-state nonisothermal reactor design with case studies of reactor explosions About the DVD-ROM The DVD contains six additional, graduate-level chapters covering catalyst decay, external diffusion effects on heterogeneous reactions, diffusion and reaction, distribution of residence times for reactors, models for non-ideal reactors, and radial and axial temperature variations in tubular reactions. Extensive additional DVD resources include \* Summary notes, Web modules, additional examples, derivations, audio...

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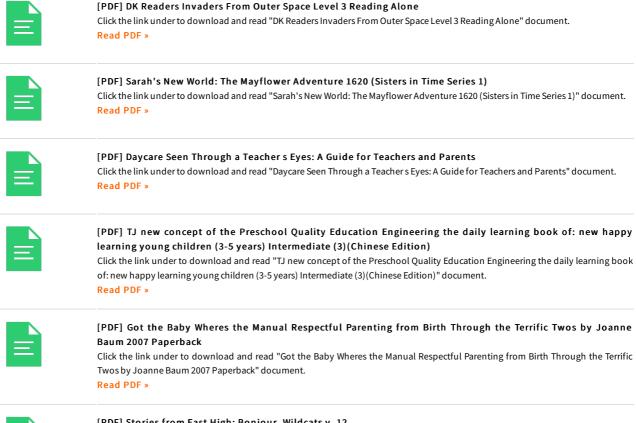
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