



Modeling and Simulation of Fluid Catalytic Cracking (FCC) Riser

Olanrewaju Omotola

Download now

[Click here](#) if your download doesn't start automatically

Modeling and Simulation of Fluid Catalytic Cracking (FCC) Riser

Olanrewaju Omotola

Modeling and Simulation of Fluid Catalytic Cracking (FCC) Riser Olanrewaju Omotola

Fluid Catalytic Cracking (FCC) is known to be one of the most profitable processes in oil refineries. However, during FCC, two inevitable and undesirable phenomena occur: coking (which deactivates the catalyst) and resistance to mass transfer. Computational techniques can be employed to simulate the FCC reactor with a view to predicting the optimum operating conditions of the process. Process operation within the optimum conditions increases profitability. A number of mathematical models have been developed for the FCC riser. However, two major set backs were observed in the models. Some of the previous models were oversimplified as a result of the negligence of mass transfer resistance and the assumption of one dimensional (1D) plug flow. On the other hand, the models were made unwieldy by the use of 3D geometry and the incorporation of large numbers of lumped species. In this book, a 2D model was used to simulate the FCC riser. Mass transfer resistance and coking were considered. This book will be beneficial to oil refineries. It will also make an excellent reference and teaching material for students, lecturers and researchers in Chemical Engineering, Mathematics and Chemistry.

 [Download Modeling and Simulation of Fluid Catalytic Crackin ...pdf](#)

 [Read Online Modeling and Simulation of Fluid Catalytic Crack ...pdf](#)

Download and Read Free Online Modeling and Simulation of Fluid Catalytic Cracking (FCC) Riser Olanrewaju Omotola

From reader reviews:

John McDole:

As people who live in often the modest era should be revise about what going on or facts even knowledge to make these individuals keep up with the era that is always change and advance. Some of you maybe will update themselves by examining books. It is a good choice for you but the problems coming to an individual is you don't know which one you should start with. This Modeling and Simulation of Fluid Catalytic Cracking (FCC) Riser is our recommendation so you keep up with the world. Why, because book serves what you want and need in this era.

Charles Howell:

Your reading 6th sense will not betray you, why because this Modeling and Simulation of Fluid Catalytic Cracking (FCC) Riser guide written by well-known writer we are excited for well how to make book that could be understand by anyone who have read the book. Written in good manner for you, dripping every ideas and writing skill only for eliminate your own personal hunger then you still hesitation Modeling and Simulation of Fluid Catalytic Cracking (FCC) Riser as good book not simply by the cover but also by the content. This is one publication that can break don't ascertain book by its cover, so do you still needing yet another sixth sense to pick that!?! Oh come on your reading through sixth sense already said so why you have to listening to an additional sixth sense.

Erika Yoon:

This Modeling and Simulation of Fluid Catalytic Cracking (FCC) Riser is completely new way for you who has interest to look for some information because it relief your hunger of knowledge. Getting deeper you in it getting knowledge more you know or perhaps you who still having tiny amount of digest in reading this Modeling and Simulation of Fluid Catalytic Cracking (FCC) Riser can be the light food in your case because the information inside this specific book is easy to get by means of anyone. These books build itself in the form that is reachable by anyone, sure I mean in the e-book type. People who think that in reserve form make them feel drowsy even dizzy this e-book is the answer. So there isn't any in reading a publication especially this one. You can find what you are looking for. It should be here for anyone. So , don't miss this! Just read this e-book sort for your better life along with knowledge.

Robert Hill:

In this era which is the greater man or who has ability to do something more are more precious than other. Do you want to become one among it? It is just simple method to have that. What you must do is just spending your time little but quite enough to possess a look at some books. One of several books in the top listing in your reading list will be Modeling and Simulation of Fluid Catalytic Cracking (FCC) Riser. This book and that is qualified as The Hungry Slopes can get you closer in getting precious person. By looking up and review this publication you can get many advantages.

**Download and Read Online Modeling and Simulation of Fluid
Catalytic Cracking (FCC) Riser Olanrewaju Omotola
#MOGVWN0HU8Y**

Read Modeling and Simulation of Fluid Catalytic Cracking (FCC) Riser by Olanrewaju Omotola for online ebook

Modeling and Simulation of Fluid Catalytic Cracking (FCC) Riser by Olanrewaju Omotola Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Modeling and Simulation of Fluid Catalytic Cracking (FCC) Riser by Olanrewaju Omotola books to read online.

Online Modeling and Simulation of Fluid Catalytic Cracking (FCC) Riser by Olanrewaju Omotola ebook PDF download

Modeling and Simulation of Fluid Catalytic Cracking (FCC) Riser by Olanrewaju Omotola Doc

Modeling and Simulation of Fluid Catalytic Cracking (FCC) Riser by Olanrewaju Omotola Mobipocket

Modeling and Simulation of Fluid Catalytic Cracking (FCC) Riser by Olanrewaju Omotola EPub