



# Refinery Engineering: Integrated Process Modeling and Optimization

*Ai-Fu Chang, Kiran Pashikanti, Y. A. Liu*

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**Refinery Engineering: Integrated Process Modeling and Optimization** Ai-Fu Chang, Kiran Pashikanti, Y. A. Liu

A pioneering and comprehensive introduction to the complex subject of integrated refinery process simulation, using many of the tools and techniques currently employed in modern refineries.

Adopting a systematic and practical approach, the authors include the theory, case studies and hands-on workshops, explaining how to work with real data.

As a result, senior-level undergraduate and graduate students, as well as industrial engineers learn how to develop and use the latest computer models for the predictive modeling and optimization of integrated refinery processes.

Additional material is available online providing relevant spreadsheets and simulation files for all the models and examples presented in the book.



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