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## Chemical Engineering: An Introduction

By Morton M. Denn

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English . Brand New Book. Chemical engineering is the field of applied science that employs physical, chemical, and biological rate processes for the betterment of humanity . This opening

sentence of Chapter 1 has been the underlying paradigm of chemical engineering. Chemical Engineering: An Introduction is designed to enable the student to explore the activities in which

a modern chemical engineer is involved by focusing on mass

and energy balances in liquid-phase processes. Problems

explored include the design of a feedback level controller,

membrane separation, hemodialysis, optimal design of a

process with chemical reaction and separation, washout in a

bioreactor, kinetic and mass transfer limits in a two-phase

reactor, and the use of the membrane reactor to overcome

equilibrium limits on conversion. Mathematics is employed as a

language at the most elementary level. Professor Morton M.

Denn incorporates design meaningfully; the design and analysis

problems are realistic in format and scope.



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### Reviews

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