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Chemical Process Principles. Part One: Material and Energy Balances. By Olaf A. Hougen and Kenneth M. Watson. F. H. MacDougall

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Chemical Process Principles By Hougen Chemical Process Principles Hougen O.A., Watson K.M., Ragatz R.A. New York: John Wiley & Sons, 1952. | 1159 p.In this book only process problems of a chemical and physicochemical nature are treated, and it has been attempted to avoid overlapping into the fields of unit operations and plant design.

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The thermodynamic problems of these devices are analyzed in terms of basic scientific principles but problems of mechanical design are not treated. Printed Pages: 1072. N° de ref. de la librería 34267. Sobre este título: Sinopsis: Chemical Process Principles: Thermodynamics Part 2 by Watson Hougen, 9788123911601, Cbs Publishing

Chemical Process Principles: Part II: Thermodynamics

Chemical Process Principles: a Combined Volume Consisting of Part One Material and Energy Balances, Part Two Thermodynamics, Part Three Kinetics and Catalysis Hougen, Olaf A.; Watson, Kenneth M. Published by John Wiley & Sons, Inc. (1947)

Chemical Process Principles: Material Energy Balances

Chemical Process Principles, Part 1: Material and Energy Balances, 2nd edition Hougen, Olaf A., Kenneth M. Watson, and Roland A. Ragatz Published by John Wiley and Sons (1956)

Chemical Process Principles: Part 1: Material and Energy

Chemical Process Principles ... Olaf Andreas Hougen, Kenneth Merle Watson Snippet view - 1943. View all - Bibliographic information. Title: Chemical Process Principles: Thermodynamics Part 2 of Chemical Process Principles, Olaf Andreas Hougen: Authors: Olaf Andreas Hougen, Kenneth Merle Watson, Roland Andrew Ragatz: Edition: 2: Publisher ...

Chemical Process Principles: Thermodynamics—Olaf Andreas

In his research activities, Professor Hougen developed important original and fundamental principles for the mainstream of modern chemical engineering: heat transfer, gas adsorption, thermodynamics, catalysis, applied kinetics, and process design.

Hougen Program: Chemical and Biological Engineering

In 1942 the American Chemical Society, under Hougen's chairmanship, sponsored a symposium on the subject. It was during this time that the text Industrial Chemical Calculations was revised and extended, giving place to Material and Energy Balances as the first part of another work, Chemical Process Principles.

NAE Website—Dr. Olaf A. Hougen

Hougen and Kenneth M. Watson were co-authors of the three-volume text titled Chemical Process Principles (Material and Energy Balances; Thermodynamics; Kinetics & Catalysis), which was a milestone in the literature of the profession because of its emphasis on applying the basic principles of mathematics, chemistry and physics to the analysis of ...