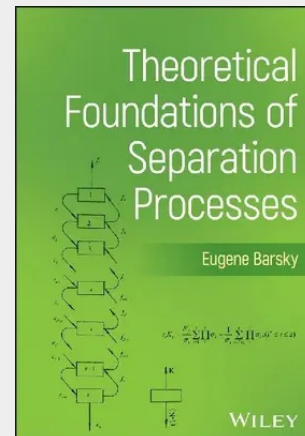


Theoretical Foundations of Separation Processes

Enables readers to understand separation processes from a physical, combinatorial, and statistical perspective, focusing on the entropy of two-phase flows Theoretical Foundations of Separation Processes delves into the underlying theory behind how substances separate from one another. Mathematical modeling and the concept of entropy play pivotal roles throughout the text. This book includes information on: - Theoretical underpinnings such as two-phase flows, solid particles, and gas-solid interactions - Processes of polyfractional solid materials separations - Calculation methodology for various separation systems and devices, with information on finding the results of separation processes depending on the design of the classifier - Applications across industries such as agriculture, chemistry, mining, food, cement, mechanical, refractory production, electronics, and nanotechnology This title is an essential reference to help engineers improve their separation processes. It is also useful for a variety of companies involved in the design and manufacture of relevant equipment and operating separations equipment.

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