

INTRODUCTION TO NUMERICAL METHODS IN CHEMICAL ENGINEERING

$$\frac{dC_j}{dx} = 0, j = A, B, C, D$$



$$D \frac{d^2 C_A}{dx^2} - u \frac{dC_A}{dx} - k_1 C_A C_B = 0$$

$$D \frac{d^2 C_B}{dx^2} - u \frac{dC_B}{dx} - k_1 C_A C_B - k_2 C_B C_C = 0$$

$$D \frac{d^2 C_C}{dx^2} - u \frac{dC_C}{dx} + k_1 C_A C_B - k_2 C_B C_C = 0$$

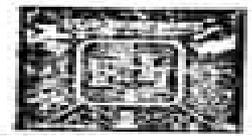
$$D \frac{d^2 C_D}{dx^2} - u \frac{dC_D}{dx} + k_2 C_B C_C = 0$$



$$D \frac{d^2 C_i}{dx^2} = D \frac{C_{i-1} - 2C_i + C_{i+1}}{\Delta x^2}$$

$$u \frac{dC_i}{dx} = u \frac{C_i - C_{i-1}}{\Delta x}$$

$$u C_{i+1} = u C_i - D \frac{dC_i}{dx}$$



Introduction To Numerical Methods In Chemical Engineering

CH Cherryholmes



Introduction To Numerical Methods In Chemical Engineering:

Introduction To Numerical Methods In Chemical Engineering Book Review: Unveiling the Power of Words

In a world driven by information and connectivity, the ability of words has become more evident than ever. They have the capability to inspire, provoke, and ignite change. Such is the essence of the book **Introduction To Numerical Methods In Chemical Engineering**, a literary masterpiece that delves deep to the significance of words and their effect on our lives. Published by a renowned author, this captivating work takes readers on a transformative journey, unraveling the secrets and potential behind every word. In this review, we shall explore the book's key themes, examine its writing style, and analyze its overall affect on readers.

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