

## Douglas Conceptual Design Of Chemical Process Solutions

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### Douglas Conceptual Design Of Chemical

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### Conceptual Design of Chemical Processes by James Douglas

Conceptual Design (CD) is a set of disciplines that contribute to the identification of the optimal design layout and nominal operating conditions of industrial processes. In the field of chemical engineering, CD aims at evaluating the best design variables and operating conditions that maximize the profit.

### Conceptual Design - an overview | ScienceDirect Topics

INTRODUCTION DURING THE TEACHING of elemental principles of process design in chemical engineering, a special emphasis should be made on what Douglas calls Conceptual Design of Processes.

### Spreadsheet use in Conceptual Design of Chemical Processes\*

For example, there are three basic levels in Douglas' hierarchical procedure for conceptual design-input/output, recycle structure, and separation system [Douglas, 1988]. At the input level, production rate, reaction kinetics, etc. are assumed to be given.

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