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Mathematical modeling of chemical engineering processes and chemical reactors has the ability to solve mathematical problems owing to the development of computers.

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Thermodynamic Calculations in the

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A chemical reactor is an enclosed volume in which a chemical reaction takes place. In chemical engineering, it is generally understood to be a process vessel used to carry out a chemical reaction, which is one of the classic unit operations in chemical

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process analysis. The design of a chemical reactor deals with multiple aspects of chemical engineering. Chemical engineers design reactors to maximize net present value for the given reaction. Designers ensure that the reaction proceeds with the h

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