



2501

Industrial Chemical Reactors

INDUSTRIAL CHEMICAL REACTORS ANALYSIS AND OPTIMIZATION

DESCRIPTION

PLAPIQUI has the following capabilities:

- Theoretical modeling of reaction processes based on mass, energy and momentum balances: continuous and batch reactors.
- Studies of catalyst activities based on industrial data.
- Determination of catalyst deactivation kinetics.
- Simulation of industrial reactors with kinetic parameters fitting.
- Optimization and control studies of chemical reactors.
- Studies of process conditions and definition of new operating windows.
- Specific studies which can be tailored to suit the company's particular interests.

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