



## Creation the Mathematical Model of Ideal Replacement Reactor

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**Abstract:** It is paper described chemical reactor of ideal replacement in the clause. Then the mathematical model of chemical reactor of ideal replacement is deduced. The received mathematical model is used for the description of hydrodynamics of a flow of heat-carriers in reactor, which working by the principle of ideal replacement.

**Keywords:** *chemical reaction, mathematical model, ideal replacement reactor, schematic image, equation.*

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