

Institute of Chemical Engineering

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Computational fluid dynamics modeling of heat transfer and flow resistance in short channels: detailed description

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Authors:	Marzena Iwaniszyn , Andrzej Kołodziej , Joanna Łojewska
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Abstract: Effect of the internal geometry of catalytic reactor capillary channels have been studied by means of numerical simulations. ANSYS FLUENT software was applied for carrying the analysis out. The temperature and pressure distribution for different channel lengths and cross-sectional shapes were pre-sented.

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