

Optimization parameters of reactivity modulator for reactor NEPTUN, to reduce the level of power fluctuation

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Due to the specificity of the kinetics, fluctuations in the power of pulses in pulsed reactors are tens of times higher than in stationary reactors and make problems for the control of the apparatus. This paper proposes and substantiates a method for a significant reduction in the level of fluctuations in power pulses of the reactor NEPTUNE (pulsed reactor project) by adjusting configurations and parameters of reactivity modulator

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