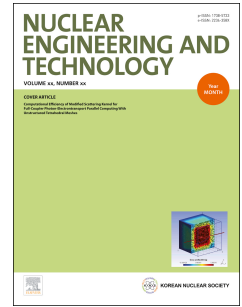


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State-space model predictive control method for core power control in pressurized water reactors nuclear power stations

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Abstract

A well-performed core power control to track load changes is crucial in pressurized water reactors (PWRs) nuclear power stations. It is challenging to keep the core power stable at the desired value within acceptable error bands for the safety demands of the PWR, for the sensitivity

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