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The dynamic models with dissipation of water-water nuclear reactor with temperature reactivity coefficients

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The dynamic models with, dissipation with temperature reactivity coefficient for reactor type WWER are developed here. Unlike conventional engineering models with concentrated parameters and one group of delayed neutrons, in the work takes into account: the fluid and heat flow parameters distribution of the active zone height, six groups of delayed neutrons, the impact on the processes of inactive metal, and water volumes below and above the active area. The transfer functions across all major channels are obtained.

Biography

Le Van Dinh has completed his Master's degree from Moscow Power Engineering Institute. Currently, he is a graduate student under Prof. Pikina Galina Alekseevna in Moscow Power Engineering Institute, Russia. He has published more than 5 papers in reputed journals.

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