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The method of configuring of domestic digital AVR.

JSC «STC UPS» has got more than ten years of proven experience in configuring AVRs and PSSs parameters for large power stations. Special method of parameters configuring is based on power system frequency responses analysis and provide best possible set of parameters for AVR and PSS in terms of chosen performance criterion. Method includes using of power system digital model and «WinOblast» software. This paper describes this method, illustrating it by configuring AVR-3MT regulator parameters for brushless excitation system of generator №1 on «Leningradskaya AES-2» nuclear power station.

Key words: AVR, PSS, parameters, digital model, optimization, power system frequency response, performance criterion.

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