

## عنوان مقاله:

.POWER SYSTEM STATE CORRECTION FOR ON-LINE OPERATION CONTROL

## محل انتشار:

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تعداد صفحات اصل مقاله: 9

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## خلاصه مقاله:

The main factors, describing the complexity for Operation controlling of electric system are as followings: - huge extension of electric system; - multi-stage hierarchical control structure; - wide range of operation period from long-term to on-line and automatic control; - presents of situational aspects of control in normal, break-down and post damage conditions; - influence of system's automatic control on the electric system behavior; - connection with other fields of national economy, environment, etc; Above-mentioned features describe the concepts that encourage us to prepare effective and automatic control of a complex electric system, where control problems with the object of optimization and correction of condition are solved as multi-stage hierarchical problems. These problems are divided in time (above-mentioned cycles) in territorial (united electric system, united district electric systems, power plants, sub-stations), in situation and functional aspects. Today the evolution process of an electric system, according to The Automatic Dispatching Control (ADC), is evolved in the way of accepting the control actions. Expert's evaluation from some of international scientific organizations that are engaged in the problems of control of huge electric systems shows the transition from traditional methods of designing the conditions to on-line control methods. The more frequent correction of condition provides electric system to operate as much as closer to optimal conditions. In this paper there are considered systematic development methods of mathematical and informational supply with ADC of electric system for on-line correction of condition's parameters under conditions of optimality and stability

## کلمات کلیدی:

operation conditions parameters, optimal control, operative correction parameters, decisive rules for control, limited area's for parameters

## لینک ثابت مقاله در پایگاه سیویلیکا:

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