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ESTIMATION OF OPTIMAL TIME OF MAINTENANCE OF PRODUCTION UNITS WITH METHOD OF NIVELIZATION OF POWER DIAGRAM

ABSTRACT

In this paper is presented method for calculation of optimal time of maintenance of production units (generators) in power system in order to improve reliability of whole system. Method is based on method of estimation optimal time of maintenance of production units with nivelization of power diagram, with improvements made by the authors. Based on new, improved algoritham, is made computer program used in further analyses.In example analyses is taken macedonian power system, and throuht output resulst are shown enhaced performances of new algoritam and possibilities of use of this method and program.

Keywords: reliability, system, maintenance.