

Development of control instrument for mining industry power streams setting with norms and analysis

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Results.

The purpose of the project is the creation of the CAS management of mining enterprise power streams with software development to determine specific energy consumption, and its analysis on the basis of modern mathematical methods: theories of patterns recognitions, artificial networks, balance methods for workstations of all levels . The introduction of this project creates the possibility to carry out setting of norms and carrying the analysis to define the sources of the ineffective energy usage and serves as an informative base for the introduction of the power management systems and audit. The work presupposes the development of the applied theory of the energy-saving automated complex for a mining enterprise without the human factor within the active backwall area and automated remote control of process of transporting minerals without human intervention with recommendations in relation to introduction of safe means of production for the fuel –power complex of Ukraine.