MACROECONOMIC MODELS OF PARAMETERS' DYNAMICS OF THE DIFFERENT COUNTRIES MINERAL-RAW COMPLEX.

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The mining-production industry, which is the material base of the modern civilization and the main source of resources, has a great importance for an industrial development, a maintaining of the stability of an economic growth and for a providing of normal conditions for people's living. Investigations of a condition and development dynamics of a mining industry's influence on the economics, industry and social-economic situation represent for sure a considerable interest. Methods of a world community's global development processes computer modeling can be the base of corresponding investigations. But existing global computer models are not intended for solving tasks of using the mineral-resources complex's indicators dynamics, what makes a design of special computer models for the analysis of a mining industry influence on macroeconomic processes expedient. Thus, the differential approximated econometric model of dynamics of different countries' resources production and consumption described by the modified Forrester's differential equations system has been developed by us. The model designed uses indexes of the raw mineral complex and macroeconomic indexes of national economies as input information. The generalized criterion being considered in the model characterizes levels of the countries' mining industry development. This general model is represented in two separate forms: as linear and non-linear econometric dynamic models in the instrumental means of developing the computer client-server model. Besides, it permits to recover non-visible trajectories using special identification algorithms. The model created allows to fulfill short-term and long-term forecasting of the developing of the mining industry strategy of different countries.