

Rayevnyeva O. Computer-Mathematical Modeling of the Influence of the Macro-Environment on the Economic Behavior of the Enterprise / O. Rayevnyeva, O. Brovko, Su Rui // 7th International Symposium on Multidisciplinary Studies and Innovative Technologies. – 2023.

(ISMSIT) URL: DOI: <https://doi.org/10.1109/ISMSIT58785.2023.10304994/>

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Abstract: The current stage of development of the world and national economies is characterized by the presence of a large number of agents of economic relations that provoke a high level of instability and fluctuation in the course of economic processes. Under these conditions, the external economic environment of an enterprise largely determines its economic behavior and requires new information technologies, economic and mathematical methods, and approaches to processing large amounts of information to make effective management reactions. The article is devoted to the development of a set of economic and mathematical models for forecasting the influence of macro environment as part of the knowledge base of the decision support system for managing the economic behavior of Ukrainian enterprises. A system of indicators is substantiated, which includes two subsystems: indicators of the general macro environment and indicators of the environment of the immediate macro environment. The trends in the development of the national economy and the types of its economic activities are determined, which directly affects the economic behavior of the enterprise. An algorithmic model for studying the external environment of an enterprise has been developed.

Keywords: decision support system, economic behavior, external environment, model, integral indicator, economic sentiment indicator.