## Applying of technological coefficients in long-term forecasting

Topic:

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The complexity of developing long-term forecasts naturally engenders a variety of approaches to the solution of problems which are to be solved in the framework of preparing such forecasts. Expert opinions are considered as the predominant approach, and so output information have few quantitative estimates. But are quantitative methods and empirical numerical tool are so unpromising in assessing long-term economic development? After all, the basis of long-term projections is estimates of future technologies. The latter, as is known, are characterized by nothing but a set of technological coefficients. For this reason, in our opinion, the analysis of the dynamics of technological coefficients on the basis of the time series of input-output tables can assist in the evaluation of the shapes of future technologies. In this paper we performed a comparative analysis of the dynamics of homogeneous technological coefficients in different countries establishing their relationship. As an example, we can mention coefficients of â€æresearch intensity― in the various sectors of the economy, dynamics analysis and assessment of the prospects which are an integral part of technological forecasts. Another group of technological coefficients which is also addressed in the study concerns the â€æresource intensity― of individual sectors of Russia's partner countries. Research is carried out on the basis of WIOD database.

Key words: technological coefficients, forecasting

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