

SUMMARIES

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TECHNOLOGICAL DEVELOPMENT OF A SOCIETY IN VIEW OF THE HUMAN CAPITAL AT RESEARCH OF MODELS OF ECONOMIC GROWTH

The function of scientific and technical progress (further – NTP) plays the important role at use of production functions and at construction of models of economic growth.

In article the remainders Solow in view of the human capital are received for function of scientific and technical progress, which is neutral on Hicks. These remainders were used for correcting a parameter of exponential curve at function of scientific and technical progress, proceeding from the best smoothing of the discrete information. The flexible kind of logistical curve is used for approximation of a relative share of employments engaged in research and skilled – design works, that has allowed receiving better result in comparison with known. In result, on the basis of improvement of the approach, which was offered by the academician A.A. Akaev, the analytical expressions «neutral» on Hicks of function NTP were received both curves of rates of growth and rates of a gain of function NTP were received for economics of Ukraine and Russian Federation, and also their detailed comparative analysis is carried out.

The approach, which is offered in article for construction of function NTP, can be used for the further improvement of models of macroeconomic dynamics with the purpose of improvement of forecasting on their basis.