

Modeling of economic system of the development of the russian federation system

Sayfudinova N., Safiullin M., Safiullin A., Zainullina M.
Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

Abstract

The article covers the main approaches to the macro economic modeling. It represents the author's model of macro economic modeling based on nine sector market model (with subdividing into classical markets - commodity market, labor market, market of capitals, and with mutual influence of these markets). The first segment is "Isoquanta of production function". This quadrant shows main inter change ability of labor and capital as the factors of production. The second segment is called "Wage Dynamics". The third quadrant is "The proportion of labor for the market". The curves presented in it are an aggregate supply and an aggregate demand for labor force. The fourth quadrant is called "Production function on the basic production assets". It shows what number of the main production assets is essential to generate production equal to composite demand (offer). The fifth quadrant "Commodity market" corresponds to the traditional model of the market, the diagrams correspond to the traditional curves of the aggregate demand and offer of goods. The sixth quadrant is a new graphic model which is headed as "Production function on labor function". The economic purpose is to show many working hours (in the form of the employed in national economy) it takes to gear production. The seventh quadrant "The market of capitals", as consistent with the title, describes the traditional dependence of the market of capitals. The eighth quadrant represents "Price influence on the cost of capital". The conclusive ninth quadrant is titled "The influence of the cost of capital on employment". The model by an example of the economic system of the Russian Federation was approbated. In conclusion, the findings and recommendation on macroeconomic regulation of the main disproportions in economic system were given.

Keywords

Capital market, Goods market, Isoquanta of production function, Labor force market, Loan interest, Macroeconomic modeling, Nine sector market model, Price index, Wage dynamics