

**MODELING OF SMALL AND LARGE ENTERPRISES CO-OPERATION TAKING INTO ACCOUNT INNOVATIVE EFFECT OF CAPITAL PRODUCTIVITY**

The author considers that the capital growth of productive funds of small enterprises is carried out due to investments from the capitals of productive funds of large enterprises.

In the conditions of such co-operation the products of small enterprise can be used for both: providing work of enterprise and modernization with the purpose of increasing the level of capital productivity ratio of large enterprises. Thus, the organization of modernization process can provide the different dynamics of growth.

The constant growth of the capital productivity ratio is the stage of investment process of updating the capital of the large enterprises' productive funds.

If the increase of the level of capital productivity ratio is carried out with the constant speed, the level of the capital productivity ratio changes the productive means of the enterprise under the exponential rule in relation to the level achieved at the previous stage.

Modernization by means of the new equipment implementation foresees two stages: setting up of the equipment and its implementation. In this case the growth of capital productivity level is described by the function which has the exponential character of growth at the stage of implementation.

Further researches are planned to be conducted due to synergistically effects of development of the small and large enterprise model.