

**Abstract of the Article**  
**“Forecasting of Enterprise Sustainable Development”**  
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The article considers the concept of enterprise sustainable development as a purposeful and continuous process of consecutive transitions from one activity to another. This process is aimed at supporting the economical, industrial, technical and social characteristics within the limits defined by the external and internal environment influence. There are the following sustainable development signs: steadiness, stability, firmness, continuity, adaptability, and ability to self- reactivating.

The methodological approach to the sustainable development forecasting has been proposed. It is based on dependence of function approximation on the factors influencing the linear or nonlinear function of previous periods statistical indicators data as well as the idea of the data regrouping on the basis of excluding the minimum and maximum indicator values.

The essence of the idea is:

1) regrouping the actual values for a period, for example, since 2005 to 2010 and re-counting of each indicator minimum and maximum value by the formula:

$$\Pi_k^{неперезпун} = \left( \Pi_k - \overline{\Pi} \right) \left( \frac{\delta}{\Pi_{\max} - \Pi_{\min}} \right) + \overline{\Pi}; k = 1, \dots, m \quad (1)$$

where – a regrouped value of indicators effecting a sustainable development;

$\overline{\Pi}$  – an average indicators value;

$\delta$  – indicators of root-mean-square deviation;

2) choosing a "new" indicator value on the basis of the regrouped value data as well as maximum and minimum value forecasting for the future period;

3) differentiating between the regrouped maximum and minimum value data and predicting indicator change under which the sustainable development for 2011 will be provided.

The research was carried out to model the intensity of management influences on insignificant, average and radical changes indicators which define the enterprise sustainable development management. The offered model is a way to improve the mechanism of sustainable development management and a tool of daily, quarterly and annual management. Besides this model defines a type of managerial influences on different levels of management.