

System analysis of generic and specific properties evaluation functions in the economy

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Abstract

Topic/theme Properties of evaluation functions in the economy, their system analysis, multidimensional process of change of status and the impact of socio-economic facilities to one-dimensional criterion. Objectives/targets To systematize the properties of naturally-market and expert-analytical Metrology state of the organizational systems, to divide them into generic-mu and species trait. Methodology In this work we used simulation methods-semantic modeling in complex with the methods of statistical and analytical analysis. Discussing the possibility of creating an expert system, reproducing the generic and specific properties of the Islands natural market Metrology, formation of universal evaluation functions and comparable measures of performance for a variety of particular indices. Results The developed model integration evaluation indicators providing a rating assessment of various organizational structures and processes. Conclusions/significance It is concluded that under the conditions of multi-directed indicators the most viable scheme of management of organizational systems is to reduce the multidimensionality of the processes to one dimensional uniform criterion.

Keywords

Management, Measurement system, Modeling, The evaluation function, The integral assessment, Verification