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EMERGENT PROPERTY PECULIARITY: USING SOFTWARE ENGINEERING

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Abstract

This study is devoted to the development of algorithms that make it possible to reject ineffective proposals. This ensures protection against unjustified innovations that cause the destruction of the system. System developers are interested in having a means for selecting promising improvements. For this purpose, an approach to preserving the emergence property is used.

Keywords: improvements, link, destruction, replacement, stability, coordination, efficiency

1 Introduction

The developers of the system are interested in having a means to select promising improvements. For this purpose, the approach of preserving the property of emergence is used. This approach is focused on assessing the independence of software tools from the initial dataelements do not have. During the study, an important contradiction was revealed. With frequent changes to the system, developers get carried away with innovation and forget about the value of the basic elements of the system. As a result, the problem was established: "It is impossible to make reliable decisions without the means to identify the extent to which innovations are having a destructive effect on business performance". The object of the study is a system of norms that ensured the finding of relationships between the ranges of indicators that are used in ROI calculations. Having received such a system, the subject of the study is determined. Its content is the organization of the computational process, which is based on a system of interconnected ranges of all indicators used in the calculations.

2 Tasks Setting Description

The purpose of the study is development of a procedure that ensures the issuance of an objective conclusion about the current state of the system of analyzed assets and the prospects for its development.

According to the purpose, the following tasks were put forward.

- 5. Assessment of the current state of loss of emergent property under conditions of change.
 - 6. Selecting options for identifying the weak link of the system.
 - 7. Design of a medium-term scenario for improving the system.
- 8. Development of long-term instructions for the development of the system.

As a result, system developers have at their disposal a tool that makes it possible to replace a damaged link and justify a package of effective system modifications.

3 Conclusions

The practical value of the approach consists of the application of means of control, formation, distribution and use of all enterprise resources in the process of their circulation. During the process, the ability of the organization to promptly find weak links in the system that causes the destruction of efficiency is demonstrated. Thus, cases of violation of the issued diagnoses are recorded, and on their basis the level of losses incurred by the organization is determined.

The novelty of the study lies in ensuring the physical and logical independence of data. In the event of a new proposal to improve the computational procedure that violates the property of emergence, key links in the organization that hinder the growth of the enterprise's potential are identified. For example, the inconsistency of the Turnover Rate and Capital Turnover Rate indicators allows us to prevent conflict between specialists in the marketing and financial departments.

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