

DOI <https://doi.org/10.30525/978-9934-26-597-6-87>

ANALYSIS OF INNOVATIONS FOR COMPLIANCE WITH THE PROPERTY OF EMERGENCE

Jesús J. Cantero López
Latvia, ISMA (ERASMUS)
e-pass: jesusjcl@correo.ugr.es

Abstract

Relevance is the ability of a system to evaluating losses caused by poor software change decisions. It highlights the importance of early error prevention to save resources, identify weaknesses in development, and encourage innovative improvements that enhance the final product's value. For this purpose, the approach of preserving the property of emergence is used.

Keywords: suggestion, check, improve, debug, system, monitoring, reliability.

1 Introduction

This approach is focused on assessing the independence of software tools from the initial data elements do not have. During the study, an important contradiction was revealed. Changes that focus only on best practices create friction among the interacting members of the organization. As a result, the problem was established: "It is impossible to improve software without special tools to identify violations in the organizational process". The object of the study is the mechanism for testing the emergent property. This means is associated with the direct study of the subject, reduced to the definition of the place in the system where the interests of one of the groups of the organization are protected.

2 Procedures

The purpose of the study is to develop a procedure that provides reasonable confirmation of the level of losses or benefits expected by the enterprise in the event of acceptance of an innovative proposal.

In accordance with the stated goal, the following four tasks were formulated:

1. Conducting a detailed analysis of the input data flow.
2. Establishing connections between the system elements of the computing unit.

3. Controlling the ranges of the indicators used.
4. Ensuring decision-making in conditions of compliance with the principle of physical and logical independence of data.

As the tasks are solved, ensuring the principle of independence based on the developed system of related norms and measures, continuous monitoring of the organization's activities is carried out.

3 Conclusions

The development of the approach on the example of determining the state of the enterprise as part of the ROI system allowed not only to detect the links of improving the organization, but to effectively maintain the assessment system throughout the life cycle of the organization.

The novelty of the approach lies in the use of a metasystem type design while maintaining emergent property. Its manifestation is traced in ensuring the effect of physical and logical independence of data. Thus, step-by-step detailing of development is carried out based on top-down design. The modular principle of development allows to increase the reliability of software in the conditions of collecting and selecting circumstances that improve the quality of the software product.