

Название публикации:

The transition from an infinite model of factors that determine the system to a finite model. The model of algebraic formalization of risks of changing the scenarios of the long-term development of a smart system of six factors on the example of a smart university

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Аннотация:

In this chapter we shall consider the question of how from an infinite model of factors that determined the system S one can go to the finite model of factors GS which determine the system S . A list of necessary information from the Finite Groups Theory, useful in the study of certain features of the functioning of the smart system, is given in addition. Table 8.1 in which some system's properties are classified is constructed on this basis by the models of finite groups of factors determining the system. The question about risk modeling in a smart university will also be considered in this chapter. The model of an algebraic formalization of six factors of the risks of changes in long-term period of a development of the smart system is constructed on the example of the smart university. The algorithm of search of points of regulation of the closed associative system's functioning on the example of the model consisting of six factors is shown in this chapter too.

Ключевые слова:

Algebraic Formalization, Finite Group Theory, Risk, Algebra, Group theory, Risks, Algebraic Formalization, Finite groups, Finite model, Long-term development, Long-term period, Models of finite groups, Smart System, Smart universities, Risk perception